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Final Report

DEVELOPMENT OF AIR FORCE  
FLIGHT SAFETY MODELS

Volume 10

**B-52G,  
B-52H**

AIRCRAFT

November 1975

Prepared for

SERVICE ENGINEERING DIVISION  
SAN ANTONIO AIR LOGISTICS CENTER  
Kelly Air Force Base, Texas

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DEVELOPMENT OF AIR FORCE  
FLIGHT SAFETY MODELS

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## ABSTRACT

A general description of the Flight Safety Prediction Technique, and the documentation associated with its specific application to the B-52G and B-52H aircraft, are presented.

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## GLOSSARY

This glossary presents general definitions of terms used in this report. The reader will find certain of these terms defined in somewhat different words in the text, depending on the context of the discussion; but the meaning will be consistent with the definitions given here.

- |                     |  |
|---------------------|--|
| Criticality         | - A numerical index of the significance of equipment failure history relative to aircraft safety. As an analysis parameter, it can be considered proportional to the likelihood that an item will fail and thereby cause an accident. It is the product of the failure probability and the sensitivity of an equipment item. |
| Dependency          | - See link dependency.   |
| FSPT                | - Flight Safety Prediction Technique   |
| Flight Phases       | - Discrete segments of the aircraft mission profile. For present purposes, the flight phases are defined as 1) startup and taxi, 2) takeoff, 3) climb, 4) cruise, 5) tactics, 6) cruise, 7) descend, 8) land, and 9) taxi and shutdown.  |
| Functional Analysis | - The determination of equipment relationships to aircraft functions performed, and the interrelationships of these functions.   |
| Functional Link     | - The simplest form of functional relationship in which one function is dependent upon the next lower function.  |
| Functional Path     | - The compilation of functional links, in sequence, through which a function is identified as being dependent upon another.  |
| Link Dependency     | - The conditional probability of a dependent function failing, given that a particular function it is dependent upon has failed.   |
| Provisory Condition | - Operation of an aircraft in a mode or environment such that the safety-related importance of certain equipments is increased. Provisory conditions include icing, night flight, supersonic flight, etc.  |
| Provisory Factor    | - The probability that a provisory condition exists. Also used to describe the coded notation used to indicate that a functional relationship is dependent on a particular provisory condition.  |
| Safety Sensitivity  | - Same as "sensitivity".   |

**Sensitivity**

- A quantitative indication of the degree of safety degradation to be expected if a function or piece of equipment fails. The more specific terms are "functional sensitivity" or "equipment item sensitivity".

**Sensitivity Path**

- A particular sequence of functional dependencies (beginning at the top level in the hierarchical structure) through which a function or piece of equipment derives a sensitivity value. Equipment and functional sensitivity values are often derived through several such sensitivity paths.

## FOREWORD

This document is part of a 16-volume report describing the application to specific aircraft types of ARINC Research Corporation's Flight Safety Prediction Technique (FSPT). The technique was developed under previous Air Force contracts (see Appendix A). The present effort, undertaken in 1972 under Contract F09603-72-A-1132-SA01, has led to further refinement of the FSPT through its broad application to many different types of aircraft. The flight safety models generated for these aircraft are presented in individual volumes of this report as follows:

<u>Volume</u>	<u>Aircraft</u>	<u>Volume</u>	<u>Aircraft</u>
2	T-38	10	B-52G, H
3	F-111A, FB-111A	11	C-130E
4	A-7D	12	KC-135
5	F-4D, E; and RF-4C	13	C-5A
6	C-141	14	T-39
7	A-37	15	F-15
8	O-2	16	UH-1N Helicopter
9	OV-10		

Volume 16 will document the results of a feasibility study of extending the FSPT to rotary-wing aircraft.

Volume 1, an overall summary of the contractual effort, will be issued at the end of the contract period.



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# 1

## INTRODUCTION

The Flight Safety Prediction Technique developed by ARINC Research Corporation provides for assessment of the impact on flight safety of the failure of specific items of equipment within an aircraft. In the FSPT, mathematical modeling procedures are applied for processing aircraft-equipment failure data to yield a quantified index ranking safety-related problems on the basis of their likelihood of occurrence and the resulting degradation in the aircraft's capability to fly.

The ranking factor is called "criticality", which in its simplest form is the product of the failure probability and flight-safety sensitivity of an equipment. (A more detailed definition appears in Section 2 and Appendix B.) The failure probability inputs are from basic failure-data sources, AFM 66-1 and 65-110. The sensitivity estimates are derived by the following process:

- a. Systematic analysis of aircraft functions to determine those essential to flight safety
- b. Identification of the hardware required to perform these functions
- c. Evaluation of the safety significance of the hardware in performing these essential aircraft functions.

The criticality values resulting from this approach provide a relative ranking of all malfunctions with respect to their safety significance. Figure 1-1 is a simplified example of how three equipment items would be ranked on the combined basis of their failure probability and safety sensitivity. This figure illustrates an example in which item A has the highest failure probability, but due to the low sensitivity value is ranked below item B in criticality.

The methodology has the ability to rank malfunction problems currently and continuously by their accident potential. This ranking, based on criticality assessment, can provide the basic parameters necessary for:

- a. Identifying equipment items whose failure history and application pose a threat to aircraft safety
- b. Quantifying the degree of threat associated with each equipment item
- c. Evaluating and tracking the effectiveness of modifications to the aircraft
- d. Assessing safety benefits versus the cost of proposed aircraft modifications, changes in maintenance or flight operations, or alternative aircraft designs.

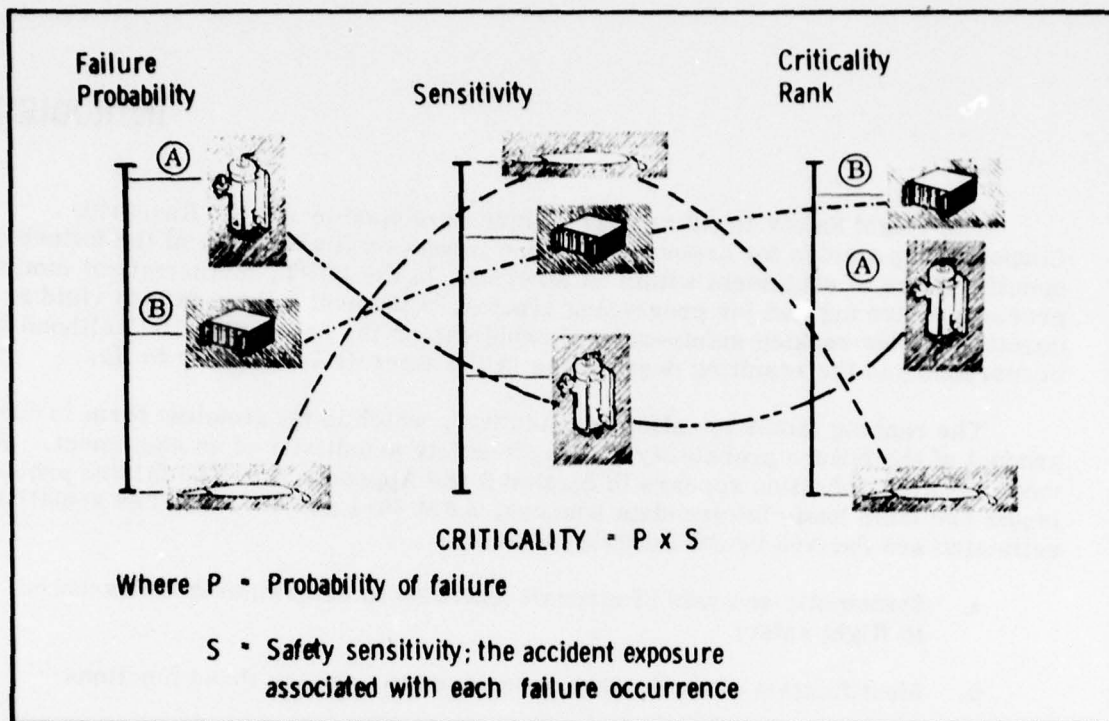


Figure 1-1. Example of Criticality Ranking Process

In this report, Section 4 and Appendix D pertain specifically to the B-52G and B-52H aircraft. The remainder of the document provides support information that will make the B-52 data, and the method by which the data were obtained, more meaningful to the general reader.

Section 2 presents an overview of the development and utilization of the Flight Safety Prediction Technique; Section 3 discusses the steps associated with generating a safety model for calculating the safety criticality of various equipments of an aircraft; and Section 4 describes how the safety models for the B-52G and B-52H aircraft were developed. Appendix A summarizes the contractual history of the development of the FSPT; Appendix B discusses mathematical considerations underlying the technique; Appendix C discusses FSPT documentation methods; and Appendix D presents functional relationship diagrams and a listing of keypunch cards that comprise the safety model documentation for the B52G and B-52H aircraft.



## METHODOLOGY UNDERLYING FSPT

This section discusses the basic definitions and mathematical concepts associated with the Flight Safety Prediction Technique.

### 2.1 DEFINITION OF SAFE AIRCRAFT

To develop a relative measure of aircraft safety degradation resulting from specific equipment malfunctions, it is first necessary to define a "safe" aircraft. For purposes of the FSPT assessments, an aircraft is assumed to be in a safe condition if it is operating within its prescribed performance limits. Conversely, an aircraft operating (or about to operate) outside these limits is considered to be unsafe - in a condition where property damage and personal injury may result.

The safety prediction methodology does not attempt to assess the extent of possible personal injury or aircraft damage resulting from an unsafe condition. Neither does the concept consider ejection capability, parachutes, life rafts, etc., which do not make an aircraft safer per se but provide for the survivability of the aircrew when the aircraft is unsafe. Collision is also excluded from consideration because of the complexity of the interrelationships between pilot, aircraft equipment, ground surveillance, and traffic density.

### 2.2 MATHEMATICAL BASIS OF FSPT

The probability of an accident caused by the failure of an element can be expressed as the probability of the element failing multiplied by the conditional probability that the failure of the element will cause an accident. Stated in equation form:

$$P(A, j) = P(j)P(A|j) \quad (1)$$

where

$P(A, j)$  = Probability of an accident due to failure of just the  $j^{\text{th}}$  element\*

$P(j)$  = Probability that element  $j$  fails

$P(A|j)$  = Probability of an accident given that the  $j^{\text{th}}$  element fails.

This equation reflects the basic relationships addressed in the FSPT where:

- a. The criticality of the  $j^{\text{th}}$  element is an estimate of  $P(A, j)$
- b. The sensitivity of the  $j^{\text{th}}$  element is an estimate of  $P(A|j)$

\*In this and subsequent discussions, unless otherwise stated, expressions such as "failure of the  $j^{\text{th}}$  element" should be interpreted to mean: failure of only the  $j^{\text{th}}$  element, assuming all other elements are not failed.

Because an element's effect on safety may depend on the mission phase (see Section 3.2.1), the above model can be expanded to:

$$P(A, j) = \sum_{k=1}^N P_{j,k} P(A|j, k) \quad (2)$$

where

$N$  = Number of mission phases

$P_{j,k}$  = Probability that the  $j^{\text{th}}$  element is failed in the  $k^{\text{th}}$  phase

$P(A|j, k)$  = The  $j^{\text{th}}$  element's sensitivity in the  $k^{\text{th}}$  phase.

To identify the importance of discrete elements to aircraft safety, a flight profile consisting of nine distinct phases was defined. The phases are discussed in Section 3.2.1.

To utilize equation 2, it was necessary to develop a method for obtaining the values of  $P(A|j, k)$ , the probability that a malfunction in element  $j$  during mission phase  $k$  will result in an accident. This method in turn requires the estimation of two parameters: the probability of accident if a major function is not available during each mission phase, and the dependence of the major function on subfunctions and elements during each such phase\*. Each function and equipment item thus derives its sensitivity value from its relationship to the major function(s) dependent upon it.

### 2.3 SENSITIVITY ASSIGNMENTS

A great deal of information is available on the causes of aircraft accidents, but little exists from which to make the sensitivity assignments  $[P(A|j)]$ . These assignments are therefore largely subjective, based on the analyst's knowledge of the system and any information he may have on previous accident history. The sensitivity assignments are reviewed (and revised as necessary) by an Air Force/contractor team working on a particular model to ensure that consistent criteria have been followed. The team review and negotiation of sensitivity assignments is the mechanism by which the value becomes sufficiently objective for use with the model. This negotiation considers all of those top level functions as a group and reassigns sensitivity values as necessary to assure that the most objective proportionality is attained for the particular aircraft model. The same major-function sensitivity values are used for major functions on all aircraft models where configuration and mission profiles permit.

The development of criticality rankings for the various elements ( $j$ 's) is dependent upon the ability to quantify the failure probability  $[P(j)]$  and the element sensitivity  $[P(A|j)]$  for each element. Since the intent of the concept is to provide a relative safety ranking of all malfunctions, it is not necessary to develop absolute

\*For a more detailed discussion of the mathematics of the FSPT, see Appendix B.

values for  $P(A|j)$ . If the sensitivity values developed are correct relative to each other, a proper criticality ranking will be established. It is intended that criticality be an index proportional to  $P(A, j)$  and therefore provide the same relative rank ordering of elements. The major reasons for proportionality, rather than equality, are:

- a. The FSPT does not account for the effect of extraordinary pilot intervention to prevent an accident in case of equipment malfunction.
- b. Criticality quantification was limited in its treatment of simultaneous occurrence of independent, primary failures.
- c. Operational and malfunction data yield only a proportional estimate of the required information.

While strict proportionality cannot be mathematically proven, it is believed that the criticality rankings provide reasonable relative measures of equipment problem potential.



Figure 3-1 summarizes the approach to the assessment of flight-safety criticality of aircraft equipment. The first contractor activity is the identification of all functions the aircraft is expected to perform and the determination of their interrelationships. Next, each functional relationship is documented; and then sensitivity assignments are made at the major functional levels (below these levels, link dependency values are estimated; see discussion, Section 3.2.2). This process is carried out until each work unit code associated with a major function has been identified with respect to the function performed and dependencies have been estimated. Computer processing calculates the safety sensitivity for each work unit coded item, combines these values with the operation and failure data input by the Air Force, and produces the equipment criticality ranking.

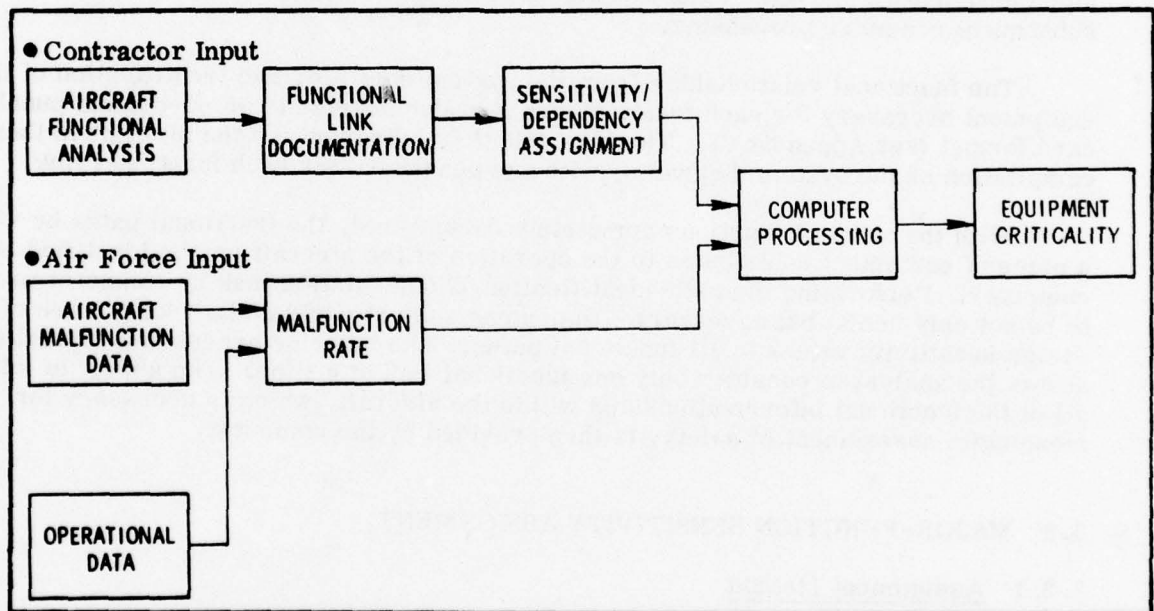


Figure 3-1. Activities and Data Inputs to Flight Safety Criticality Assessment

The steps in this process are discussed in greater detail in the following sections.

### 3.1 FUNCTIONAL ANALYSIS

Functional analysis entails the systematic identification of the relationships of hardware to the functions performed by the aircraft and documented in the aircraft technical orders. Tabulated for each aircraft function are the equipments necessary for its performance as well as all outputs required for other systems. The complexity of the functional interdependencies of an aircraft requires the use of a systematic



accounting procedure, as discussed below, to assure that all relationships have been identified and that no functional paths have been overlooked.

Certain top-level functions (comprised of both "primary" and "major" functions) have been defined as applicable to all aircraft types, and serve as the starting point for a safety analysis. Figure 3-2 lists these top level functions with the primary function of Flight Control expanded to show its typical major functions. Below the major function level, differences in aircraft types result in function identification and structuring specifically suited to each aircraft. In Figure 3-2, for instance, the major function Roll Control is subdivided into Left Roll and Right Roll, and further into aileron and spoiler actuation subfunctions. This structure is that applicable to an F-4 aircraft, in which ailerons have an extremely limited upward travel and lift is primarily lost through spoiler operation. Finally, each item in the aircraft WUC ("-06") manual is identified with respect to the function it performs.\*

Every function and every WUC included in the model receives an "alpha designator" unique to that aircraft model. Due to the large number of alpha designators required in a model, an indenturing system is utilized to prevent duplication. However, the location in the hierarchal structure and the number of characters in the alpha designators are often independent, since such correlation is not necessary for subsequent computer processing.

The functional relationships from the system diagram, and identification of the equipment necessary for each function, are next documented in an 80-column punch-card format (see Appendix C). The total functional diagram for the aircraft is then a compilation of the system diagrams, with one punchcard for each functional link.

With the aircraft functions completely documented, the functional paths by which a piece of equipment contributes to the operation of the aircraft can be identified by computer. Performing the path-identification/documentation task by computer proves to be not only useful but necessary - the human analyst could neither keep track of nor assign sensitivity values to all functional paths. The machine processing capability allows the analyst to consider only one functional link at a time. The ability to follow all of the functional interrelationships within the aircraft, which is necessary for meaningful assessment of safety, is then provided by the computer.

## 3.2 MAJOR-FUNCTION SENSITIVITY ASSIGNMENT

### 3.2.1 Assignment Method

As stated earlier, the sensitivity of a function or equipment item is an estimate of the probability that its failure will cause an accident. From functional analysis of the aircraft under consideration, major functions are identified and are assigned sensitivity values for each phase of the mission.

---

\*Certain WUC items in the "-06" manual may not be included in the safety model, these items being either 1) eliminated by TCTOs; 2) purely structural items in the 11000 series; 3) necessary only for survivability or ejection; 4) of lower indenture than the LRU level, where computer data screening eliminates failure reports.

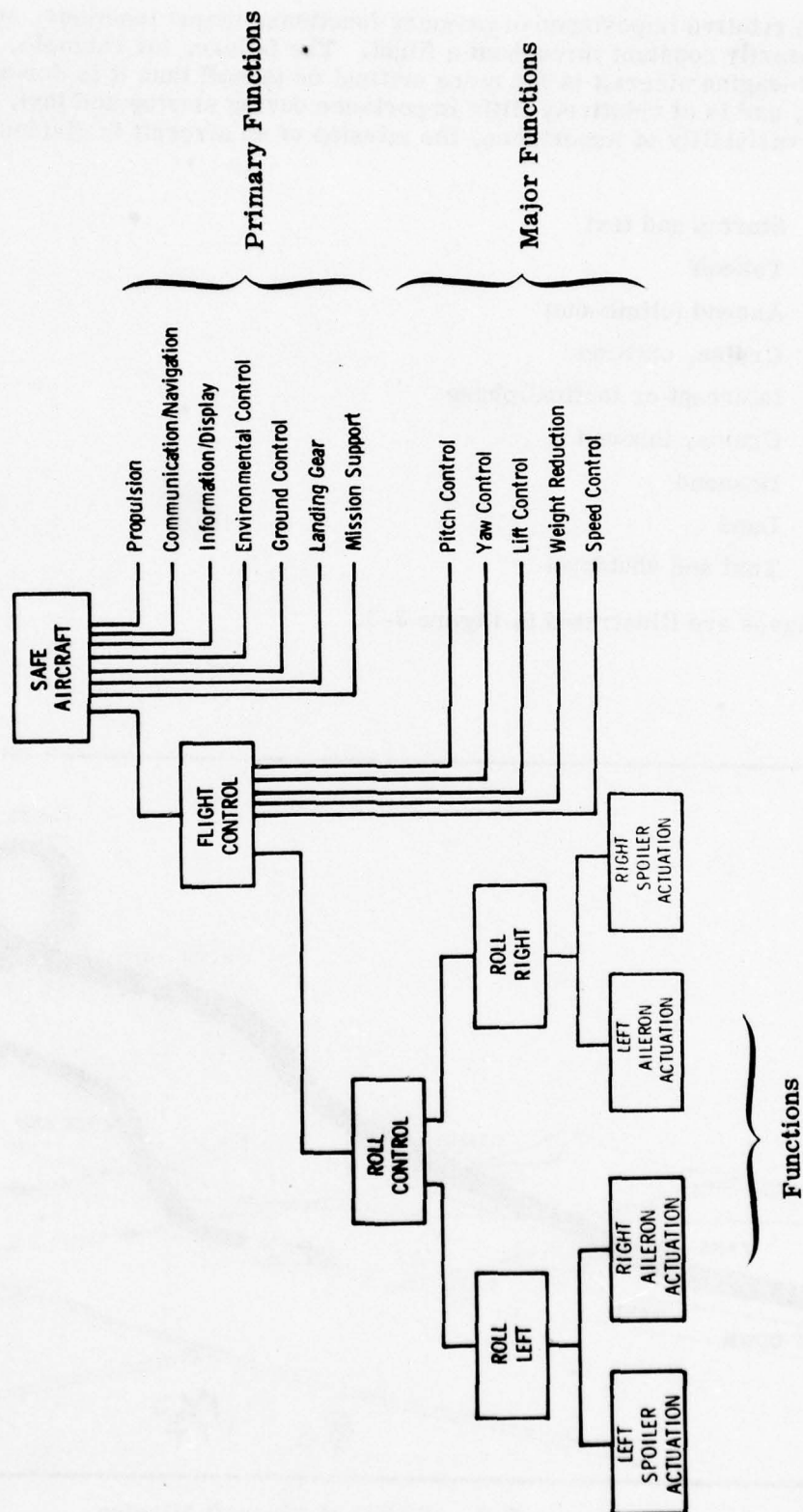


Figure 3-2. Hierarchical Structure of Aircraft Functions

The relative importance of primary functions, major functions, and functions is not necessarily constant throughout a flight. The failure, for example, of one engine of a multi-engine aircraft is far more critical on takeoff than it is during the rest of the flight, and is of relatively little importance during startup and taxi. To accommodate this variability of importance, the mission of an aircraft is divided into nine flight phases:

1. Startup and taxi
2. Takeoff
3. Ascend (climb-out)
4. Cruise, outbound
5. Intercept or tactical phase
6. Cruise, inbound
7. Descend
8. Land
9. Taxi and shutdown

These phases are illustrated in Figure 3-3.

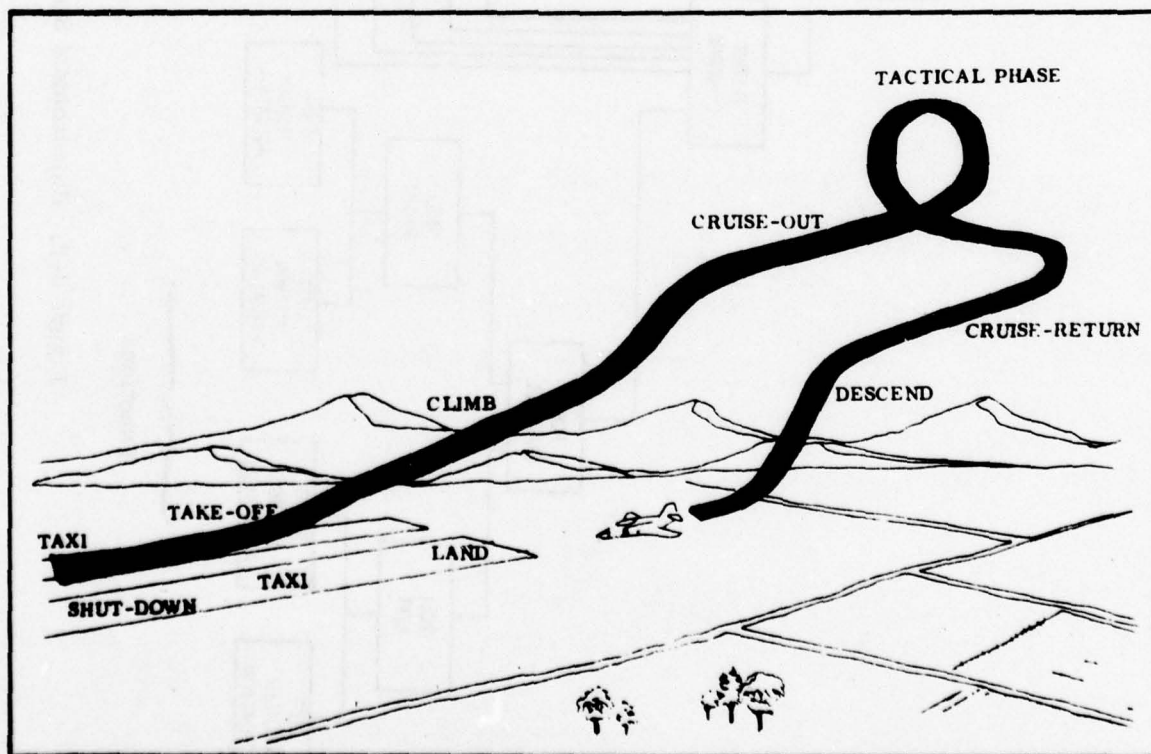


Figure 3-3. Phases of Aircraft Mission



A sensitivity value is assigned for each of the phases, and represents the best estimate of the likelihood that the aircraft will enter a hazardous mode if the function is not present in that phase. The numerical values assigned are proportional rather than absolute, and range from 0.0 to 1.0. The keypunch card format limits this assignment to increments of 0.1. Increments smaller than 0.1, when required, were assigned by defining a quasi-function for insertion between the major function and its dependent primary function.

### 3.2.2 Link Dependency Assignment

"Link dependency" is defined as the probability that the loss of a function will result in the loss of a dependent function. (For a more detailed discussion of this term, see Appendix B.) The assignment of link dependency values requires knowledge of the operation of specific aircraft because it is concerned only with functional levels below the "major" category. At this lower level, no evaluation is made of the impact on flight safety of the loss of functions. Instead, the effect of the loss of one function on the performance of another function becomes the evaluation criterion. Like sensitivities, link dependency values are assigned in increments of 0.1. Additionally, the method of attenuation used in assigning sensitivity values can also be applied to link dependencies.

### 3.2.3 Provisory Factors

The sensitivity of major functions with respect to aircraft safety, and at the lower levels the link dependency between functions, can be dependent on external influences and aircraft operating conditions. To accommodate these external influences, a set of provisory factors has been identified. An example would be a windshield anti-ice system, which has a safety sensitivity close to 1.0 during landing under icing conditions but a negligible effect on a dry, warm day.

Under such circumstances, the procedure is to assign the "worst case" value (assuming the condition exists). During model exercise the likelihood that the condition exists can be "read-in", thereby allowing the sensitivity value to be assigned by the computer based on the likelihood of the condition and the probability that the higher level function will therefore be lost. Table 3-1 lists the standard provisory factors used in FSPT models.

### 3.2.4 Computer Processing

Documentation of a flight safety analysis by ARINC Research thus consists of functional diagrams, coded functional tabulations, a functional data processing card deck, and a machine-prepared printout of the card deck data. Under this contract, the documentation is then sent to San Antonio Air Logistics Center for review by MMER personnel and representatives of the Air Logistics Center responsible for the particular aircraft (if other than SA/ALC).

SA/ALC processes the functional data card deck utilizing a number of computerized operations. First, a functional deck edit is accomplished to identify certain format or logic errors that may exist. Next, a path identification/documentation run is made that traces all possible paths associated with each function and calculates the numerical sensitivities by flight phase down to the WUC level. Then, a path combination run is made taking into account the dependence of more than one major function on a particular WUC. Finally, failure information from the 66-1 data system and numerical factors for provisory conditions are input and a WUC criticality list by rank order is generated by the computer.



**TABLE 3-1. PROVISORY FACTOR CODES**

<b>Code</b>	<b>Provisory Condition</b>
<b>A</b>	Icing conditions
<b>B</b>	Adverse speed/altitude operations
<b>C</b>	Runway stopping distance/confined area (Helicopter)
<b>D</b>	Night operation
<b>E</b>	IFR conditions
<b>F</b>	Supersonic flight
<b>G</b>	Rain
<b>H</b>	Solo flight
<b>I</b>	Loss of function for which indication is provided
<b>K</b>	Normal system failed
<b>T</b>	Flame-out
<b>X</b>	Fire
<b>Y</b>	Cold weather
<b>2</b>	One of three available units is required
<b>3</b>	Two of three available units are required
<b>4</b>	One of four available units is required
<b>5</b>	Two of four available units are required
<b>6</b>	Three of four available units are required
<b>8</b>	Four of eight available units are required
<b>9</b>	Four of six available units are required.

An additional product generated by the computer is a two-part criticality trend analysis. Part I contains the criticality rankings and linear regression analysis by WUC for the previous 12 months. Part II contains plots of the criticalities and regression lines for the 25 WUCs top-ranked according to safety criticality.

### 3.2.5 Model Maintenance

Each time an aircraft type for which a safety model has been developed undergoes a modification, the effects of the changes on the model must be evaluated. Technical order and WUC revisions must be incorporated into the model. Removal of existing hardware, the installation of new hardware, or design improvements may change link dependencies and sensitivity assignments. The update procedure should follow the same general steps as outlined for the initial analysis effort.

Existing block diagrams and a printout of the functional card deck form the baseline for change identification. Functional relationships should be reviewed to determine the impact of changes on the documented safety analysis. Diagrams should be revised to reflect functional differences, WUC changes should be noted, and all differences listed on a flight-safety functional tabulation sheet. The functional deck printout can be used for manual indication of what the changes are and where they occur. New data cards are prepared and the functional deck updated by the removal of obsolete cards and the insertion of new cards. From this point on, the computer is again utilized to edit the functional deck, perform path identification/documentation, and calculate sensitivities for each WUC.

Block diagrams and other affected portions of the specific aircraft safety analysis report should be updated and revised pages issued that reflect these changes. Maintaining an accurate and updated model is important to obtaining an accurate assessment of the safety significance of hardware failures.

## B-52G AND B-52H MODEL DEVELOPMENT

The FSPT models for the B-52G and B-52H aircraft were developed concurrently. Model development was initiated in May 1974, and the systems modeled in accordance with the contract modification of June 1973 were submitted for "G095" computer edit at SA/ALC in August 1974.

The aircraft flight manual and maintenance technical orders provided the information on aircraft system operation. The model developed represents the B-52G and B-52H aircraft configured to the latest time compliance technical orders (TCTOs) documented in the manuals supplied by SA/ALC. Tables 4-1 and 4-2 list the manuals and their revision status applicable to the developed model.

In March 1973, a seminar was conducted at the Oklahoma City Air Logistics Center (OC/ALC) by representatives of SA/ALC and ARINC Research to familiarize OC/ALC personnel with modeling requirements and techniques for their participation in the B-52 and A-7D modeling efforts.

The modeling of the B-52 fuel system required the use of a new provisory factor to accommodate the partial redundancy situation unique to this aircraft. The partial redundancy provisory factor, used with each of the eight engines, was coded "8" to indicate that any four of the eight engines were needed. The fuel for any of the four nacelles is common for both engines in that nacelle. Therefore, the loss of fuel to any nacelle would result in loss of two engines. To accommodate this, a provisory factor coded "9" was introduced to mean that if any three or more of the engines on the remaining three nacelles have failed, then the fuel to the subject nacelle is required for the safety of the aircraft.

A single functional documentation deck having "52" in columns 1, 2 was used for the two versions of the B-52 aircraft. Cards having a blank in column 3 are common to both aircraft. When the common cards are combined with those having a "G" in column 3, the resulting deck documents the B-52G. Similarly the common cards together with the cards containing an "H" in column 3 document the B-52H aircraft.

The B-52G and B-52H safety models were developed by ARINC Research for all systems except the landing gear. The landing gear diagram and functional documentation cards were produced by MMER/OC/ALC, and interface documentation for the landing gear was a joint effort by OC/ALC and ARINC Research.

Because of the vulnerability of the functional logic/sensitivity documentation to such errors as omission of links, duplication of cards, and keypunching, quality reviews were conducted at various critical points in the model development. In addition to keypunch verification, each card was checked against the functional link shown on the original rough draft and the final functional diagram and the diagrammed link was checked off. Missing or duplicated functional links were thus identified. Work unit codes used in the model were checked off against the WUC manual to assure completeness.



The quality reviews were first conducted by the organizations responsible for the subsystems prior to merging and computer verification of the respective aircraft decks by SA/ALC. Following the merging of the Air Force/ARINC Research decks and computer verification at SA/ALC, a second quality review was performed by representatives of ARINC Research and OC/ALC. Finally, the first criticality printout obtained from application of actual aircraft data was reviewed to identify any items whose sensitivity appeared to be unreasonable. In such cases the paths were traced manually and changes made if an erroneous relationship was found.

Appendix C presents the methods and standards used in documenting an FSPT aircraft model. Appendix D presents the FSPT documentation for the B-52G and B-52H aircraft, which covers both the OC/ALC and ARINC Research portion of the model.

TABLE 4-1. B-52G SYSTEM DOCUMENTATION

Publication No.	Title	Revision/Date
1B-52G-1	Flight Manual	Change 24, 15 May 1972
1B-52B-2-1	General Airplane	Change 35, 20 Aug 1973
1B-52G-2-2	Ground Handling, Servicing and Airframe Maintenance	Change 50, 10 Oct 1973
1B-52G-2-3	Utility Systems	Change 34, 15 Sep 1973
1B-52F-2-4	Power Plant	Change 24, 15 Jul 1973
1B-52G-2-8	Fuel System	Change 27, 15 Oct 1973
1B-52G-2-10	Landing Gear	Change 36, 15 Nov 1973
1B-52B-2-11	Flight Controls	Change 35, 20 Oct 1973
1B-52G-2-11	Instruments	Change 50, 15 Nov 1973
1B-52G-2-12	Electrical Systems	Change 52, 1 Nov 1973
1B-52B-2-14	Hydraulic Systems	Change 43, 1 Dec 1973
1B-52G-2-14	Airplane System Wiring Diagrams and Data	Change 9, 15 Sep 1972
1B-52G-2-20	Electronic Warfare Systems	Change 37, 15 Mar 1973
1B-52G-2-22	Fire Control Systems	Change 43, 1 Aug 1973
1B-52B-2-24	Electronic Communication System	Change 41, 30 Jun 1973
1B-52B-2-25	Electronic Navigation/Recognition Systems	Change 57, 15 Jul 1973



TABLE 4-1. (Cont)

Publication No.	Title	Revision/Date
1B-52B-2-26	Compass Systems	Change 37, 1 Sep 1973
1B-52G-2-26	Bombing-Navigational System	Change 1, 1 Dec 1973
1B-52B-2-27	Autopilot and Automatic Flight Control System	Change 31, 15 Nov 1973
1B-52B-2-30	Camera Systems	Change 31, 1 Apr 1973
1B-52B-2-31	Bomb Release Systems	Change 33, 31 Jul 1973
1B-52C-2-36	Automatic Astrocompass	Change 16, 30 Mar 1973
1B-52G-2-40	Stability Augmentation System	Change 11, 1 Dec 1973
1B-52B-06	Work Unit Code Manual	Change 2, 1 Jan 1974

TABLE 4-2. B-52H SYSTEM DOCUMENTATION

Publication No.	Title	Revision/Date
1B-52H-1	Flight Manual	Change 23, 14 May 1972
1B-52B-2-1	General Airplane	Change 35, 20 Aug 1973
1B-52G-2-2	Ground Handling, Servicing and Airframe Maintenance	Change 50, 10 Oct 1973
1B-52G-2-3	Utility Systems	Change 34, 15 Sep 1973
1B-52H-2-7	Power Plant	Change 25, 15 Nov 1973
1B-52G-2-8	Fuel System	Change 27, 15 Oct 1973
1B-52B-2-10	Landing Gear	Change 36, 15 Nov 1973
1B-52B-2-11	Flight Controls	Change 35, 20 Oct 1973
1B-52G-2-11	Instruments	Change 50, 15 Nov 1973
1B-52G-2-12	Electrical Systems	Change 52, 1 Nov 1973
1B-52B-2-14	Hydraulic Systems	Change 43, 1 Dec 1973
1B-52G-2-14	Airplane System Wiring Diagrams and Data	Change 9, 15 Sep 1972

TABLE 4-2. (Cont)

Publication No.	Title	Revision/Date
1B-52G-2-20	Electronic Warfare Systems	Change 37, 15 Mar 1973
1B-52H-2-22	Fire Control System	Change 28, 1 Sep 1973
1B-52B-2-24	Electronic Communication Systems	Change 41, 30 Jun 1973
1B-52B-2-25	Electronic Navigation/Recognition Systems	Change 57, 15 Sep 1973
1B-52B-2-26	Compass Systems	Change 37, 1 Sep 1973
1B-52G-2-26	Bombing-Navigational System	Change 1, 1 Dec 1973
1B-52B-2-27	Autopilot and Automatic Flight Control System	Change 31, 15 Nov 1973
1B-52B-2-30	Camera Systems	Change 31, 1 Apr 1973
1B-52B-2-31	Bomb Release Systems	Change 33, 31 Jul 1973
1B-52C-2-36	Automatic Astrocompass	Change 16, 30 Mar 1973
1B-52G-2-40	Stability Augmentation System	Change 11, 1 Dec 1973
1B-52B-06	Work Unit Code Manual	Change 2, 1 Jan 1974

APPENDIX A  
HISTORICAL SUMMARY OF FSPT

## HISTORICAL SUMMARY OF FSPT

In 1965, the desirability and practicability of quantifying the significance of specific equipment malfunctions relative to flight safety was explored in a feasibility study conducted by ARINC Research Corporation for the Air Force. The feasibility of a safety-quantification approach, which has subsequently become known as Flight Safety Prediction Technique (FSPT), was demonstrated; and the method was developed and refined in a series of studies, as follows:

<u>Study Phase</u>	<u>Subject/Date</u>	<u>Sponsor*/Publication No.</u>
I	Feasibility Study, September 1965 to June 1967 (Phase I)	Sacramento Air Materiel Area (SMNE), Contract AF09(603)62335, SM-67-2; publication 705-01-1-777
II-A	Technique Development, October 1967 to July 1968 (Phase II-A)	San Antonio Air Materiel Area (SANEW), Contract AF09(603)-67-A-0267-SA01; publication 734-01-1-895
II-B	Technique Development, July 1968 to July 1969 (Phase II-B)	San Antonio Air Materiel Area (SANEW), Contract F09(603)-68-A-0317-SA01; publication 754-01-1-985 (Revision 1)
	FSPT System Documentation for the F-4C and T-37 Aircraft, October 1970 to June 1971	San Antonio Air Materiel Area (MMER) Contract F41608-71-C-0576; publication 697-01-1-1118

In the Phase II-B study, the FSPT was applied to the F-106 aircraft. Concurrent with Phase II-B, the U.S. Naval Safety Center contracted ARINC Research to extend the methodology to produce a flight safety criticality model for the F-4J aircraft. The results of this effort are documented in ARINC Research Publication 753-01-3-982 (Revision 1).

In 1970, ARINC Research was contracted to develop suitable input data to permit the application of the technique to the T-37 and F-4C aircraft. These data were derived in the form of mathematical model functional documentation as input to the basic computer program developed and applied to the F-106.

In 1972, ARINC Research Corporation was awarded a contract, with the subsequent modifications in 1973 and 1974, to apply the Flight Safety Prediction Technique to 15 aircraft, working jointly with cognizant Air Logistics Centers. Aircraft to which the FSPT has been applied under this latter contract (F09603-72-A-1132-SA01) include:

- a. T-38
- b. F-111A and FB-111A

\*The office symbols of Service Engineering at the Sacramento and San Antonio Air Materiel Areas are now SM/ALC/MME and SA/ALC/MME, respectively.



- c. A-7D
- d. F-4D, E; RF-4C
- e. C-141
- f. A-37
- g. O-2
- h. OV-10
- i. B-52G, H
- j. C-130E
- k. KC-135
- l. C-5A
- m. T-39
- n. F-15
- o. UH-1N Helicopter\*

**\*Feasibility study of adaptation of FSPT to rotary-wing aircraft.**

**APPENDIX B**  
**FORMULATION OF CRITICALITY-ASSESSMENT TECHNIQUE**

## FORMULATION OF CRITICALITY-ASSESSMENT TECHNIQUE

To implement the basic safety model defined in Section 2.2, it is necessary to develop a submodel for the probability that a malfunction in element  $j$  during mission phase  $k$  will result in an accident. This submodel in turn requires that we estimate two parameters: the probability of accident if a major function is not available during each mission phase, and the dependence of the major function on element  $j$  during each mission phase.

The first parameter is termed "functional sensitivity" and is estimated for each major function. The functional analysis performed in this task established for an aircraft the following hierarchal scheme:

Aircraft

Primary functions

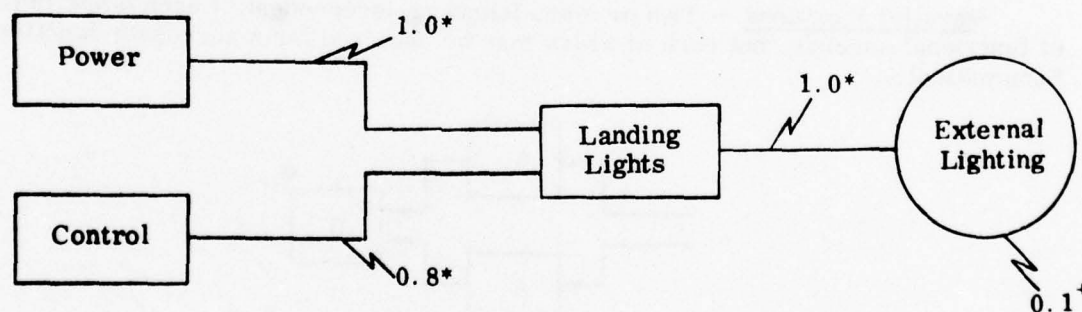
Major functions

Function

Elements (Work Unit Codes)

A primary function would be one such as Flight Control. Major functions under Flight Control would include Pitch Control and Yaw Control.

The second parameter, "link dependency," is a vehicle for showing the influence of each functional-path element on the performance of a major function. For example, if the major function being considered is External Lighting, the following diagram illustrates the nature of functional sensitivity and link dependency values.



\*Link dependencies

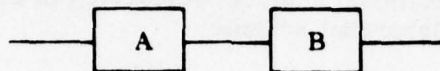
+Functional sensitivity

The 0.8 value means that failure of the Control function will result in loss of the Landing Light function 80% of the time. The 0.1 functional sensitivity value denotes that loss of external lighting will result in an accident 10% of the time. The values must be interpreted in a proportional sense, in that the actual accident probability is dependent upon external factors (see Section 3.2.3).

The remainder of this appendix discusses the procedures and model used to obtain element sensitivities; e.g., in the above example, the accident probability given that a Work Unit Code in the Control function malfunctions.

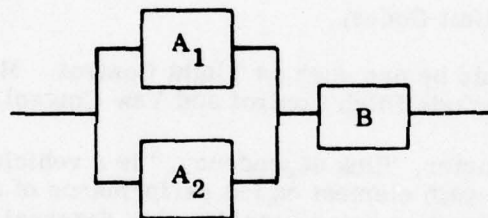
Three principal types of functional relationship--series, redundant, and parallel--were identified as representing the major forms to consider in modeling element sensitivity.

**Series Relationship** - A function having only one input. Schematically,



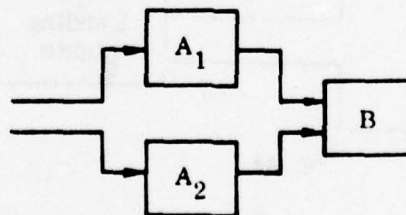
which indicates that outside of its own elements, the success of function B is only affected by the success of function A.

**Functional Redundancy** - A function having one or more backup functions that can provide the required inputs to successor functions. Schematically,



where  $A_1$  and  $A_2$  represent a functional redundancy in that either may provide the necessary input to B.

**Parallel Functions** - Two or more functions independent of each other in terms of functional success, but each of which may be required for a successor function. Schematically,

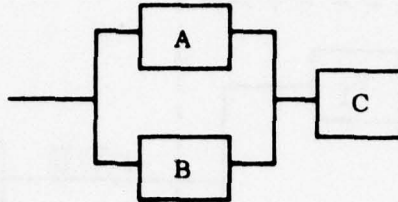


B will generally require both  $A_1$  and  $A_2$ ; but  $A_1$  does not depend on  $A_2$ , nor does  $A_2$  depend on  $A_1$ .

In some cases the distinction between functional redundancy and parallel paths is very slight, and may depend on mission phase. For example the four engines of a plane can be considered to be a redundant configuration providing inputs to the primary propulsion function during cruising, but would generally be considered to be parallel functions during takeoffs requiring full power.



In general, given a schematic relationship of the form,

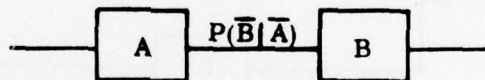


we can say that A and B are in a functionally redundant configuration if the success probability of C is the same if 1) A and B are successful, 2) A only is successful, or 3) B only is successful. If, for example, C is more likely to be successful if both A and B are successful, rather than A or B alone, then the relationship is one of parallel paths.

It is noted that the model will also account for element redundancy and parallel elements through inputs such as  $P(\bar{A}|i_a)$ , representing the probability that the A<sup>th</sup> function fails given that the  $i_a^{\text{th}}$  element in A has failed. If  $i_a$  is a parallel element, the probability would depend on mission requirements and other parallel-element states.

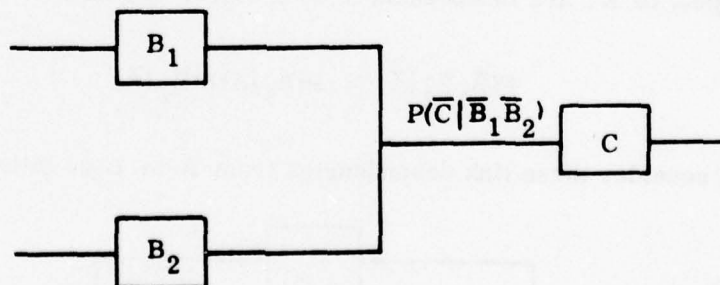
Link dependency is the conditional probability of a functional failure, given the failure of immediate predecessor functions. The link dependencies applicable to the three basic designs defined above are shown below.

#### Series Relationship

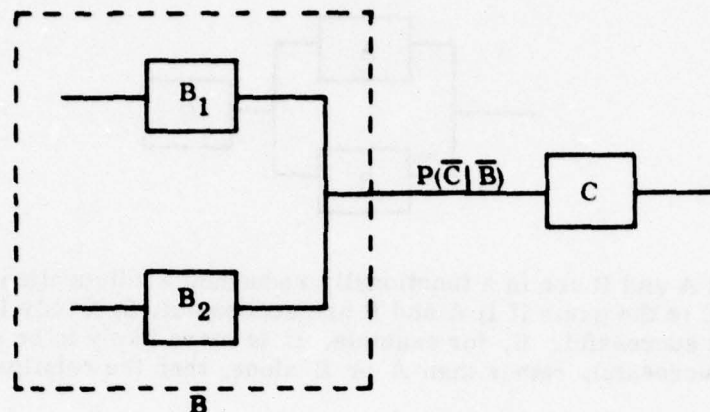


Link dependency =  $P(\bar{B}|\bar{A})$  = probability that B fails given that A fails.

#### Functional Redundancy

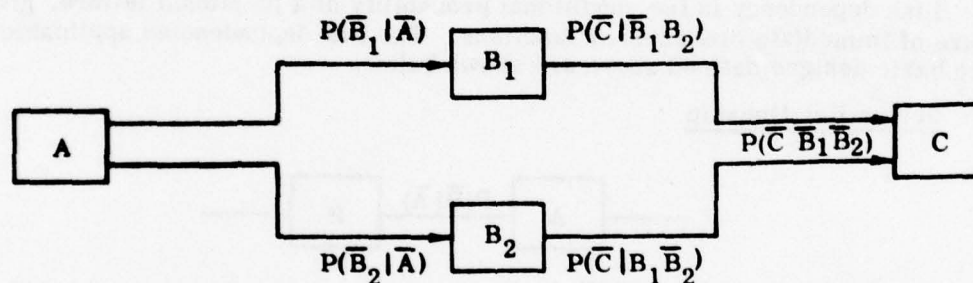


equivalent to



where  $\bar{B} = \bar{B}_1\bar{B}_2$

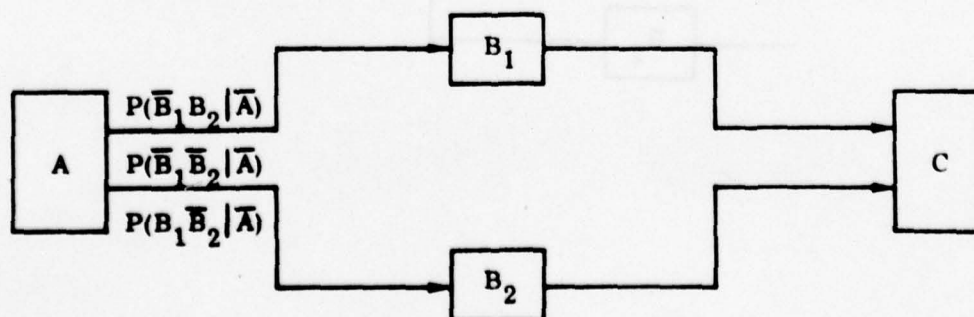
### Parallel Functions



We shall generally assume that the dependencies of  $B_1$  with respect to  $A$ , and of  $B_2$  with respect to  $A$ , are independent of each other, so that

$$P(\bar{B}_1\bar{B}_2|\bar{A}) = P(\bar{B}_1|\bar{A})P(\bar{B}_2|\bar{A})$$

We then can consider three link dependencies from  $A$  to  $B$  as follows:



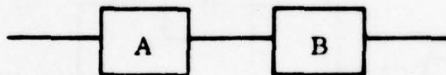
noting that

$$P(\bar{B}_1 | \bar{A}) = P(\bar{B}_1 B_2 | \bar{A}) + P(\bar{B}_1 \bar{B}_2 | \bar{A})$$

$$P(\bar{B}_2 | \bar{A}) = P(B_1 \bar{B}_2 | \bar{A}) + P(\bar{B}_1 \bar{B}_2 | \bar{A})$$

Models are shown below for determining the sensitivity of elements within a function for each of the three basic designs. The following basic assumptions apply:

- a. Except for cases where an element has a redundant or parallel counterpart or is located in a function with a redundant or parallel function, only the element under consideration shall be assumed to have failed initially. Thus the expression  $P(A|i_a)$ , representing the accident probability given failure of the  $i$ th Work Unit Code element, is based on the assumption that no other element has failed unless element  $i$  is in some redundant or parallel configuration. For cases in which there are redundant or parallel counterparts, failures of such counterpart elements or functions are considered in accordance with their occurrence probabilities.
- b. The success of all immediate predecessors ensures the success of a function, provided that the function experiences no element failures. Thus for the series function relationship



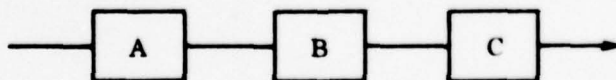
we assume

$$P(\bar{B} | A) = 0,$$

provided B experiences no element failures. If an element in function A is under consideration, the latter provision is always true by assumption "a."

The element sensitivity models are:

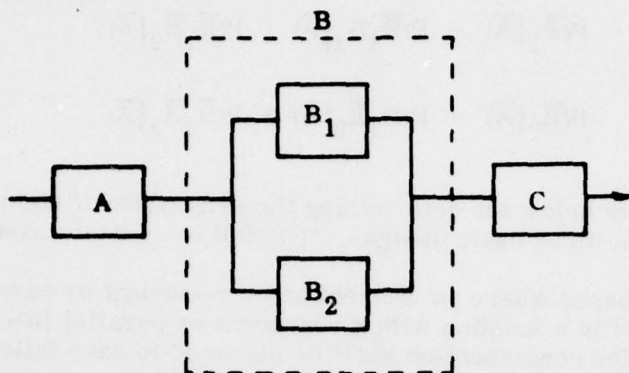
#### Series Relationship



$$P(A|i_a) = P(\bar{A}|i_a)P(\bar{B}|\bar{A})P(\bar{C}|\bar{B})P(A|\bar{C})$$



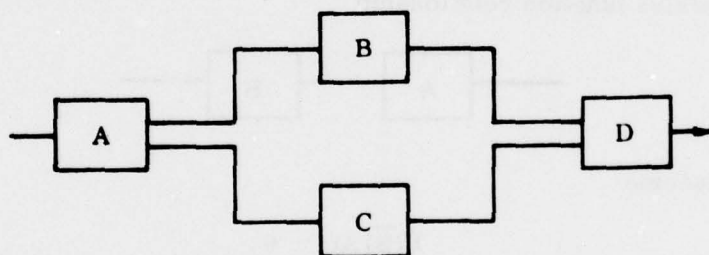
### Functional Redundancy



$$P(\mathcal{A}|i_a) = P(\bar{\mathcal{A}}|i_a)P(\bar{\mathcal{B}}|\bar{\mathcal{A}})P(\bar{\mathcal{C}}|\bar{\mathcal{B}})P(\mathcal{A}|\bar{\mathcal{C}})$$

$$P(\mathcal{A}|i_{b1}) = P(\bar{\mathcal{B}}_1|i_{b1})P(\bar{\mathcal{B}}_2)P(\bar{\mathcal{C}}|\bar{\mathcal{B}})P(\mathcal{A}|\bar{\mathcal{C}})$$

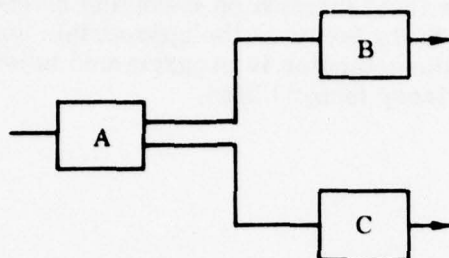
### Parallel Functions



$$P(\mathcal{A}|i_a) = P(\bar{\mathcal{A}}|i_a) \{ P(\bar{\mathcal{B}}\mathcal{C}|\bar{\mathcal{A}})P(\bar{\mathcal{D}}|\bar{\mathcal{B}}\mathcal{C}) + P(\mathcal{B}\bar{\mathcal{C}}|\bar{\mathcal{A}})P(\bar{\mathcal{D}}|\mathcal{B}\bar{\mathcal{C}}) \\ + P(\bar{\mathcal{B}}\bar{\mathcal{C}}|\bar{\mathcal{A}})P(\bar{\mathcal{D}}|\bar{\mathcal{B}}\bar{\mathcal{C}}) \} P(\mathcal{A}|\bar{\mathcal{D}})$$

$$P(\mathcal{A}|i_b) = P(\bar{\mathcal{B}}|i_b) \{ P(\bar{\mathcal{C}}|i_b)P(\bar{\mathcal{D}}|\bar{\mathcal{B}}\bar{\mathcal{C}}) + P(\mathcal{C}|i_b)P(\bar{\mathcal{D}}|\mathcal{B}\bar{\mathcal{C}}) \} P(\mathcal{A}|\bar{\mathcal{D}})$$

A case not explicitly included in the above three basic functional relationships is one for which a function is in two paths, e.g.,



then

$$P(A|i_a) = P(\bar{C}|i_a)P(B|i_a)P(A|\bar{C}B) + P(C|i_a)P(\bar{B}|i_a)P(A|C\bar{B}) \\ + P(\bar{C}|i_a)P(\bar{B}|i_a)\{1 - P(A|\bar{C})P(A|\bar{B})\}$$

where it is assumed that the effects of loss of the major functions in accident occurrence are independent of each other.

#### Use of Numerical Provisory Factors for Partially Redundant Systems

The numerical provisory factors (see Table 3-1) are used where more than two identical functions are involved in a redundancy. For example, aircraft with more than two engines often have identical and independent systems for hydraulic pressurization, and for electrical power generation, one driven by each engine. If the aircraft can be operated safely with one or more of such systems in a failed state, one of the numeric codes is utilized in assigning link dependency values. Consider, for example, the following:

If  $N$  identical and independent units\* are available and at least  $M$  are required for safe operation, where  $0 < M < N$ , then the provisory factor of a given unit, say  $U_j$ , is the probability that the failure of  $U_j$  will cause the aircraft to enter an unsafe state. This is the probability that exactly  $M-1$  of the remaining  $N-1$  units will be in an unfailed state. This probability can be calculated by the formula for the binomial distribution, and is given by

$$P(U_j) = \binom{N-1}{M-1} p^{(M-1)} q^{(N-M)}$$

where  $P(U_j)$  = probability that failure of the  $j^{\text{th}}$  unit will cause the aircraft to enter an unsafe state, and

$M$  = Number of units required

$N$  = Number of units available

$p$  = Probability that a single unit will be in an unfailed state

$q$  = Probability that a single unit will be in a failed state or  $(1-p)$

\*Units may be either elements, element assemblies, or functions.

Assignment of link dependencies to N identical and independent units of which only M are required proceeds as follows. The value assigned to each unit is the dependency of the higher level function on receiving an output from M of the units (usually 1.0). The provisory factor is the appropriate numeric code. In the evaluation of the path sensitivity, the computer is programmed to select the binomial formula that corresponds to the provisory factor listed.



APPENDIX C  
FSPT DOCUMENTATION METHODS

## FSPT DOCUMENTATION METHODS

Because of the extreme complexity of aircraft, it is necessary to develop a computerized method to identify and document all possible paths associated with each function as well as to determine the safety sensitivity associated with each path. A computer routine has been devised that takes the data from the functional card deck and traces and documents all paths. For each WUC, it also computes the flight-phase sensitivities for each path in which the WUC is present. The resulting computer printout provides a combined functional path sensitivity.

### C.1 ALPHA CODING

As each system of the aircraft is functionally diagrammed, the functional blocks are assigned an "alpha code". This code aids the analyst in the bookkeeping tasks of functional diagramming and provides the computer with an identification of the elements to be processed. For standardization among aircraft, nine top-level functions have been defined and each has been assigned an initial or first-alpha designator. Each block in the functional diagram carries the same initial alpha as the top level function. Subsequent letters added to the initial alpha uniquely identify each block.

The only restrictions placed on the assignment of alpha codes are that:

- a. All characters in a code must be a letter of the alphabet, and
- b. The maximum number of characters in one code is seven.

### C.2 ALPHA CODING AND COMPUTER PROGRAM COMPATIBILITY

Additional rules for alpha coding required to obtain the desired results from computer processing include:

- a. When a WUC item operates in the same mode to perform more than one function, the same alpha code is used in each application.
- b. When a WUC item operates in a different mode to perform each of more than one function, a different alpha designator is assigned for each operating mode.

### C.3 FUNCTIONAL TABULATION

The "Flight Safety Functional Tabulation" sheet is used to code the safety model for keypunching. The sheets are coded as follows (refer to Figure C-1) for an example).

- a. Columns 1 through 3. Used to identify the aircraft represented by the model. For certain aircraft modeled under this contract more than one model - designation series MDS - was included. For instance, a single functional deck was created for four MDSs of the F-4 aircraft. Cards with "F4b"\* in columns 1-3 were common to all aircraft. For example,

\*b = blank





when these cards are combined with those carrying "F4E" in columns 1-3, then it produces an F-4E FSPT model deck.

- b. Columns 4 through 31. Contain the title of the function or the WUC item.
- c. Columns 32 through 36. Contain the left-justified WUC number.
- d. Columns 37 and 38. Blank
- e. Columns 39 through 46. Contain the assigned alpha designator for the function and/or the WUC. Column 39 contains either an L or an R, or is blank. The L and R designate left and right for those instances when the function and/or WUC pertains to the left or right side of the aircraft.
- f. Columns 47 and 48. Blank.
- g. Columns 49 through 55. Normally left blank, but are used after a deck is operational to substitute the data on a card for that stored in the computer by punching the line record number in this field.
- h. Columns 56 through 63. Identify the dependent functions for either the function or specific WUCs being coded. Column 56 may contain L, R or blank for the same purpose as that of column 39.
- i. Column 64. Contains the alphanumeric code of the "provisory factor" applicable to the link value assigned.
- j. Columns 65 through 69. Contain the alpha designator of a function that is an alternate for the function being coded. (Column 65 is used for "L" or "R" as in Column 39.) The presence of the "alternate alpha" flags the importance of the link dependency as being affected by the success probability of the alternate function.
- k. Column 70. Contains the work unit code dependency value (1 = 0.10; 2 = 0.20; ....A = 1.0). This value is applicable to all flight phases.
- l. Column 71. Contains special instructions to the computer through the use of letters F, S, or being blank. Cards with an "S" or "blank" in column 71 are used in sensitivity computations. Cards with an "F" document a functional relationships which, although present in the system, would produce an erroneous sensitivity value when combined with other nonindependent paths (having the same function in common at some higher level). The "F" prevents the computer from including the link in the sensitivity calculations.
- m. Columns 72 through 80. Contain functional dependencies for each of nine flight phases as described in Section 3.2.1 of the text. Coding is the same as for column 70.

#### C.4 DIAGRAM CONSTRUCTION

The diagrams produced under the contract document the functional inter-relationship of the aircraft systems considered in the model. In the interest of extending the useful life of the diagrams, WUC items are not shown, thereby eliminating the necessity of updating the diagrams with each (and sometimes frequent) change to the WUC manual.

As discussed earlier in this report, the diagrams represent the hierarchal structure of the paths from which the sensitivity values are derived. The diagrams, although consistent with the system schematic and reliability block diagrams, are not equivalent due to this hierarchal method of documentation. In the actual system, signals and/or fluids pass from one component to the next and are thus documented in schematics; conversely, the hierarchal approach only identifies the components that must operate to achieve a given function, independent of the direction and/or sequence of signal flow. This approach directly addresses the system impact of a component failure without the necessity of identifying the intrasystem secondary failures. Each line connecting functions on the diagram is documented by a punchcard, with the lower function providing the "alpha designator" and the higher function's alpha designator indicator as the "dependent function".\*

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\*The card deck also documents functional relationships not shown on the diagram; the work unit codes (mentioned earlier) and the "S" cards discussed in paragraph C.3.1.

APPENDIX D  
FSPT DOCUMENTATION OF B-52G AND B-52H AIRCRAFT

## FSPT DOCUMENTATION OF B-52G AND B-52H AIRCRAFT

This appendix contains the functional relationship diagrams and a listing of the keypunch cards that comprise the FSPT safety model documentation for the B-52G and B-52H aircraft.

### D.1 DIAGRAMS

<u>Title</u>	<u>Page</u>
Propulsion, Diagram B-1	D-5
Propulsion, Diagram B-2	D-6
Propulsion, Diagram B-3	D-7
Propulsion Fuel, Diagram B-4	D-8
Propulsion Fuel, Diagram B-5	D-9
Propulsion Fuel, Diagram B-6	D-10
Comm/Nav/Ident, Diagram C-1	D-11
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Information & Display, Diagram D-2	D-15
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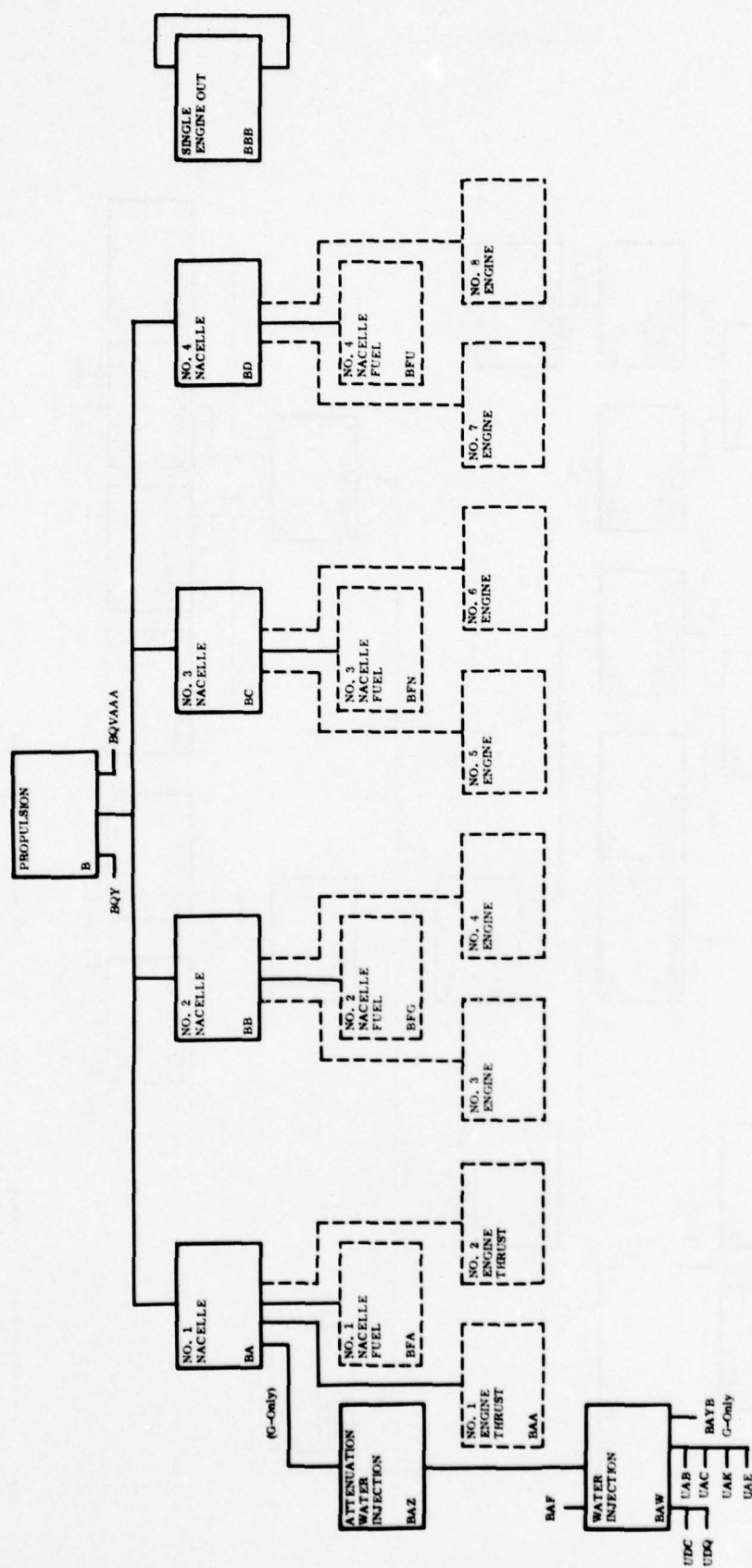


<u>Title</u>	<u>Page</u>
Utilities, Diagram U-1	D-26
Utilities, Diagram U-2	D-27
Utilities, Diagram U-3	D-28
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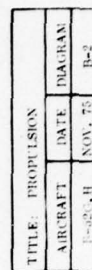
## D.2 CARD LISTING

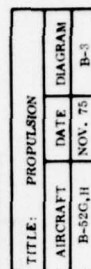
Pages D-31 through D-114 are a reproduction of the punchcard listing. The listing is alphabetical by "alpha designator", and the format is that of the 80-column punchcard itself as described in Appendix C. At the top of each page the card columns are printed vertically; for example, column 34 is printed "3<sub>4</sub>".

The first two columns of the punchcard are coded "52". If the third column is blank, the card is common to both versions of the aircraft. Cards peculiar to one version of the aircraft carry a designator in column 3 for the aircraft - "G" for the B-52G and "H" for the B-52H.

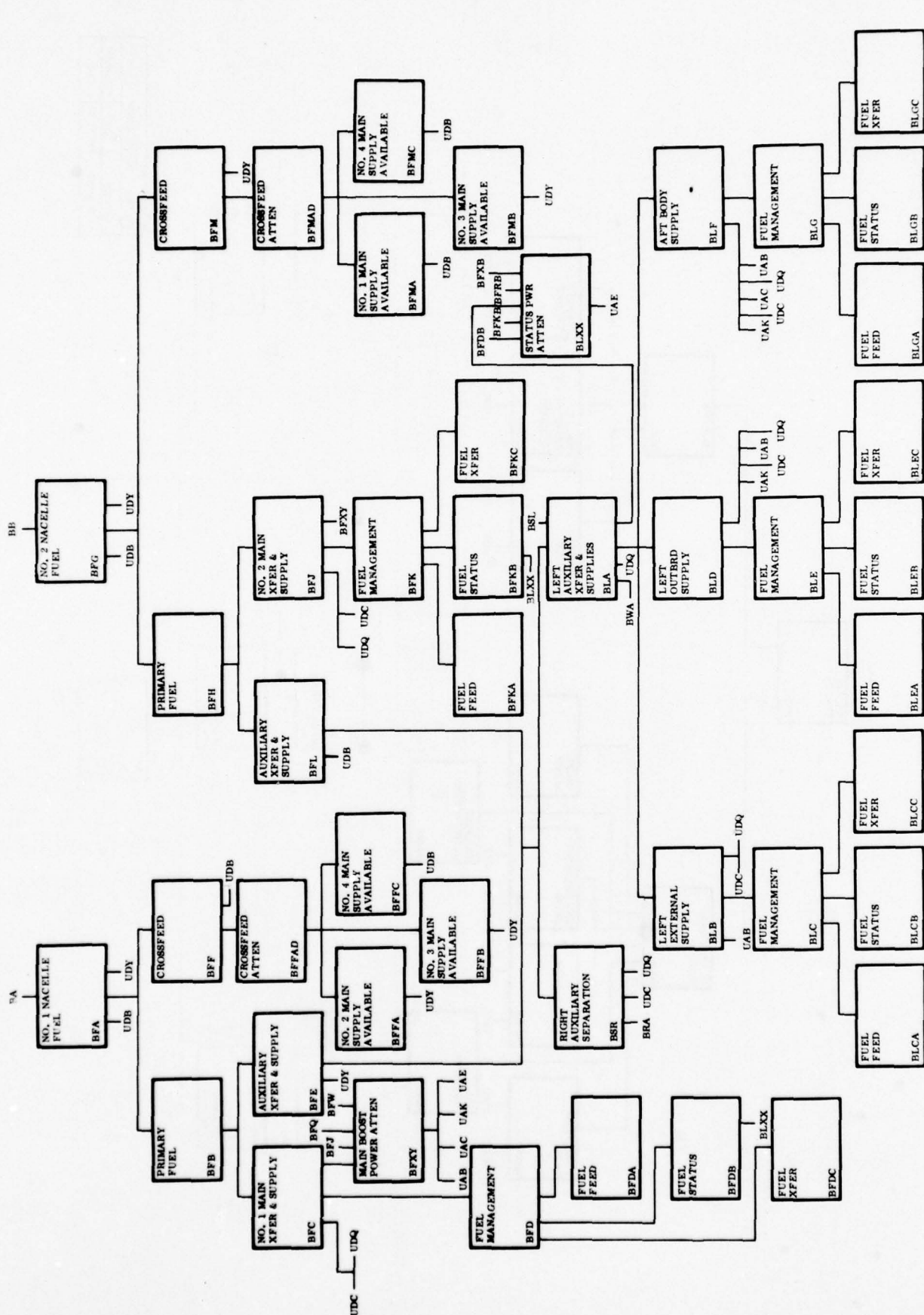


TITLE: PROPULSION		
AIRCRAFT	DATE	DIAGRAM
B-52C, H	NOV. 75	B-1

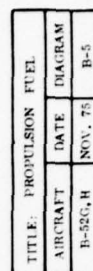


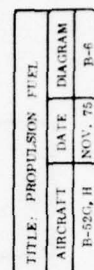


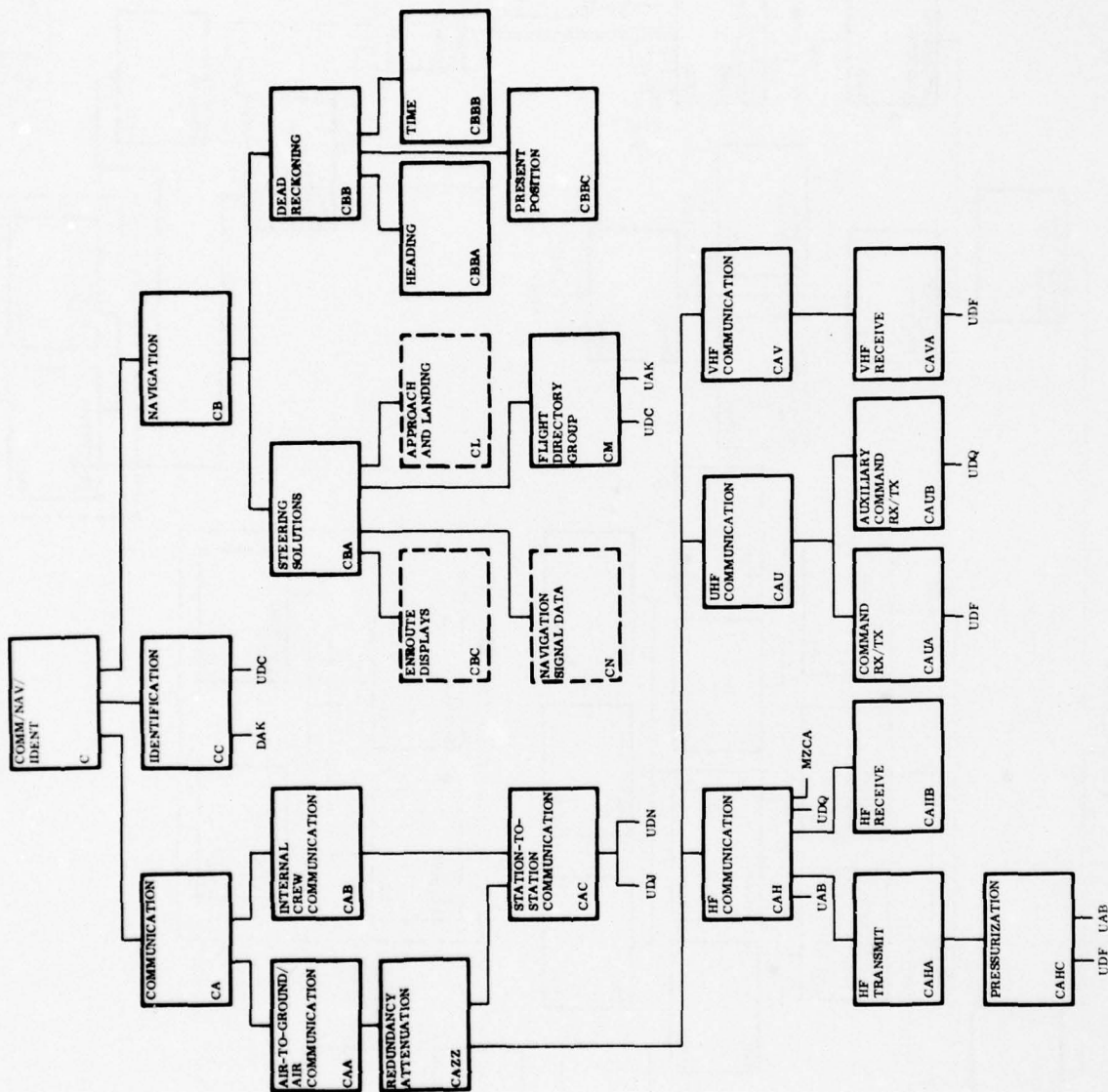




TITLE: FROULSON FUEL			
AIRCRAFT	DATE	DIAGRAM	
B-52C,H	NOV. 75	B-4	

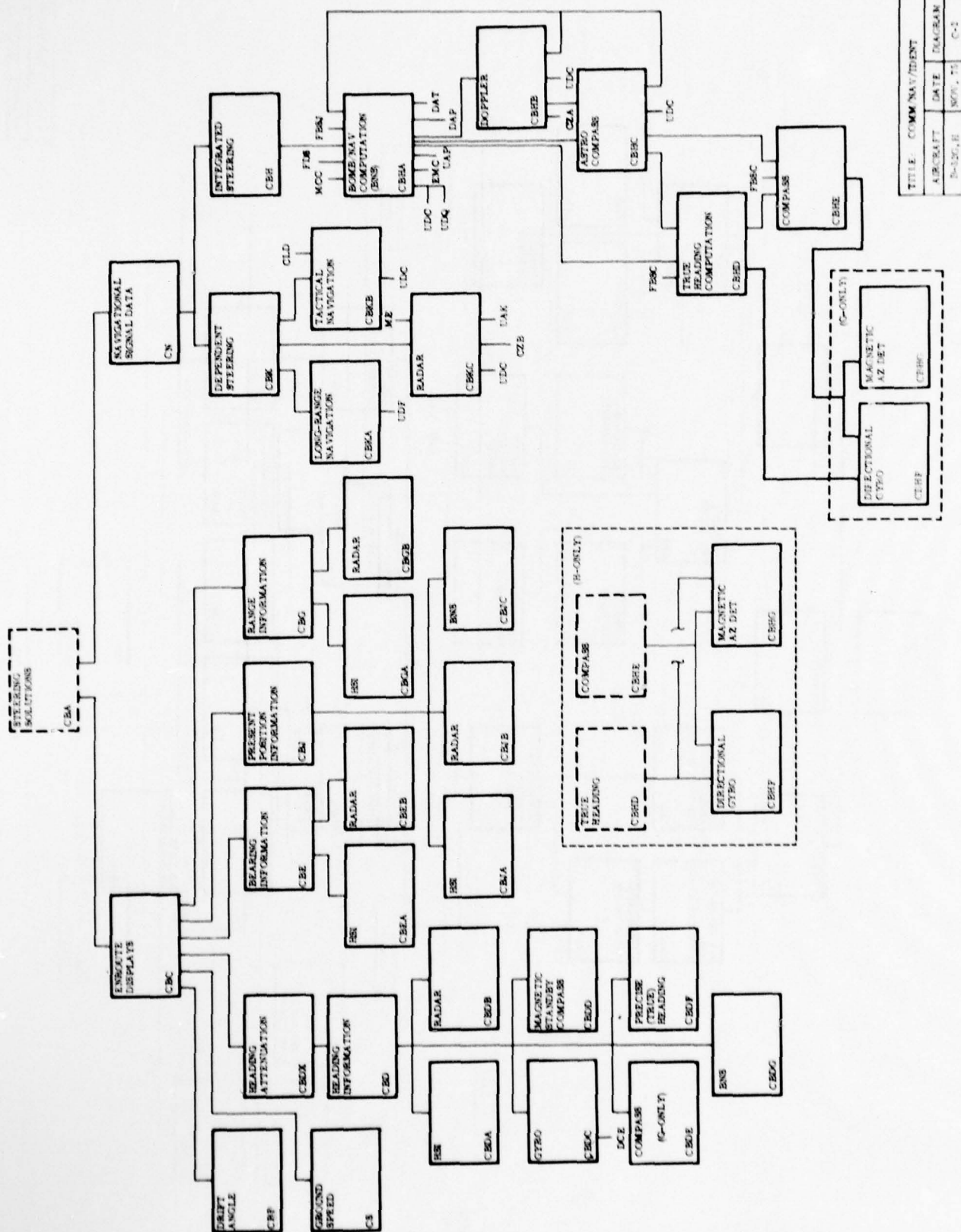


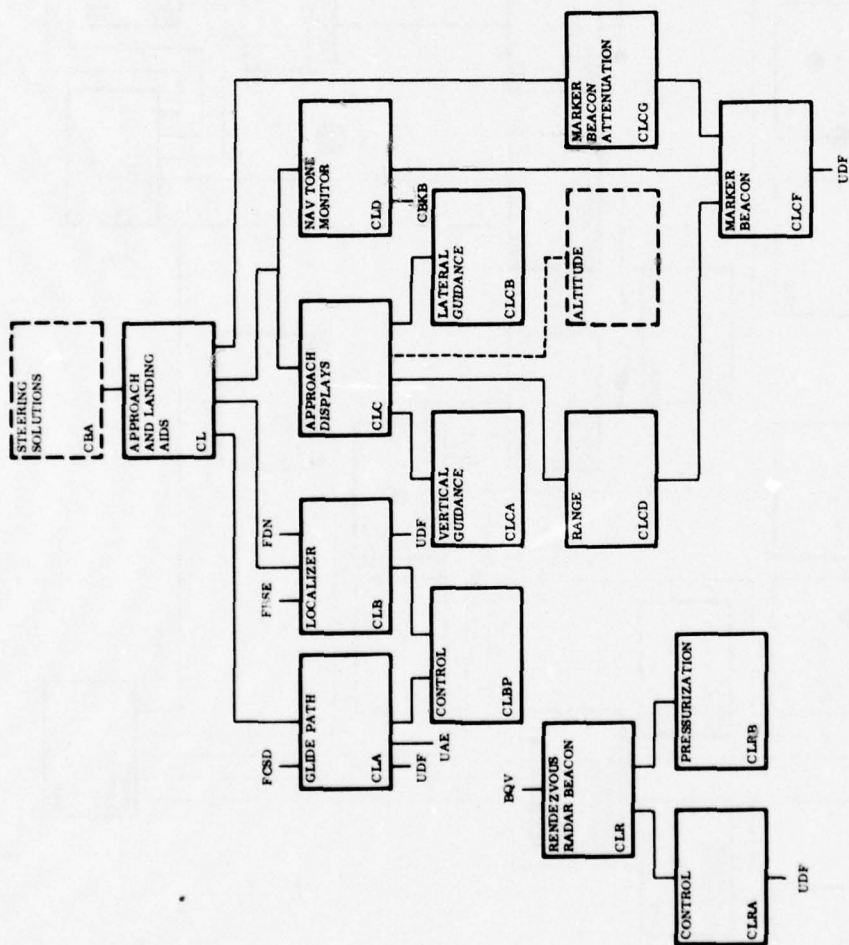




TITLE: COMM NAV/IDENT		
AIRCRAFT	DATE	DIAGRAM
P-38C, H	NOV. 75	C-1

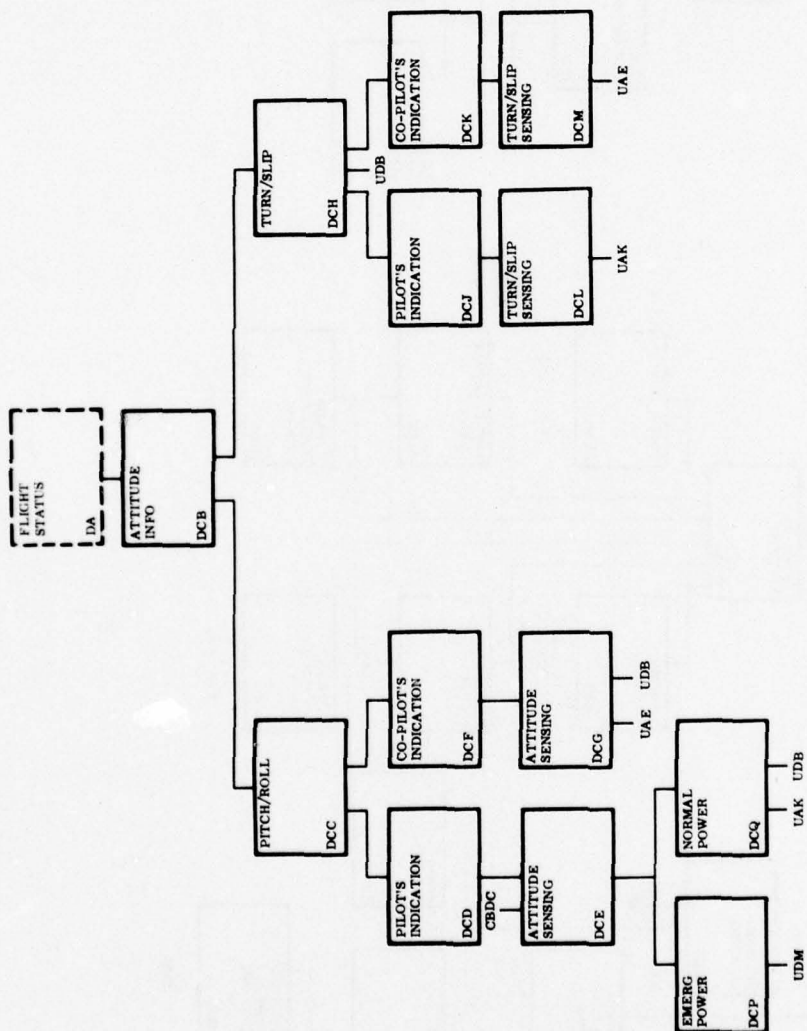






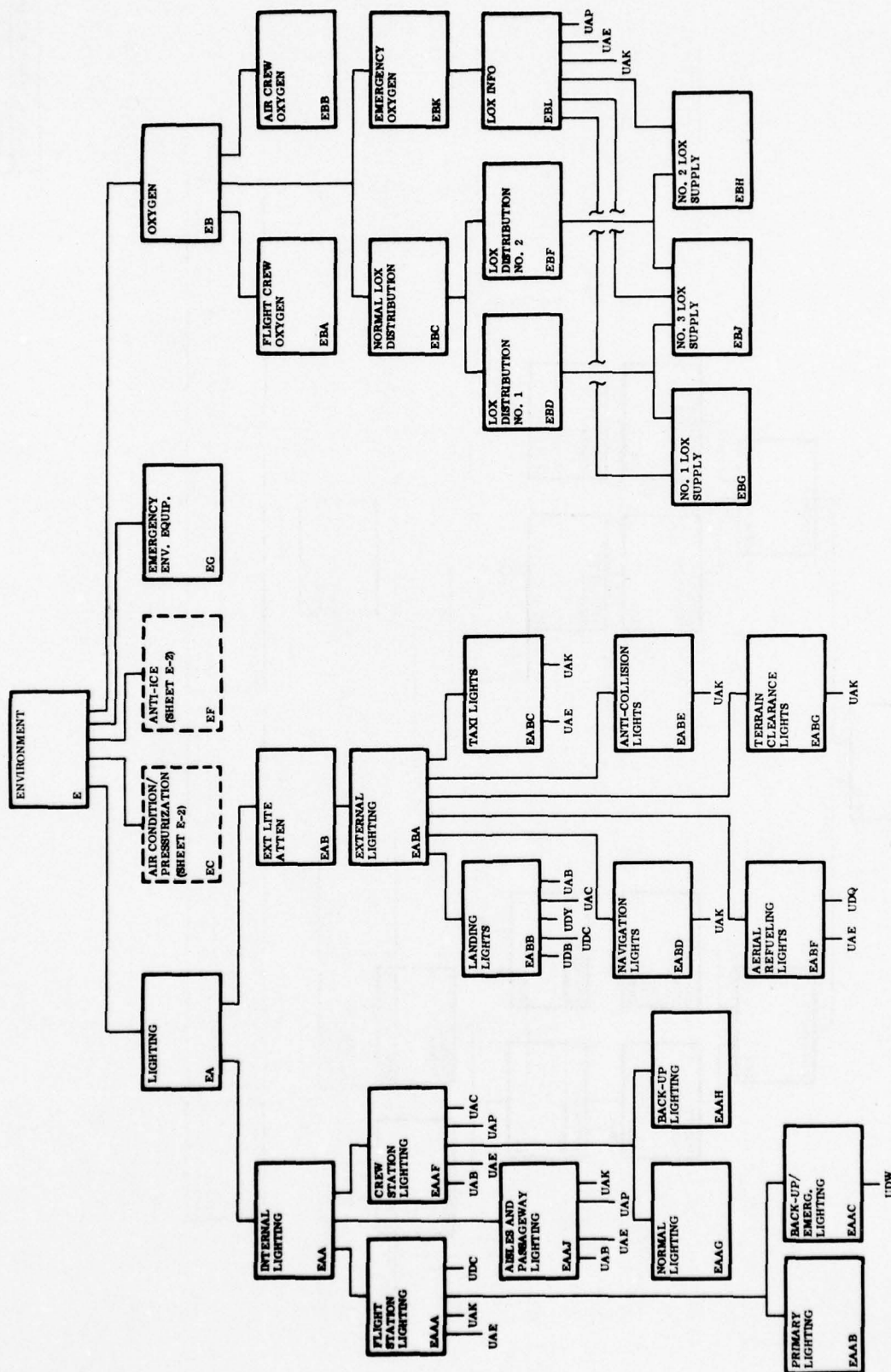
TITLE: COMM/NAV/IDENT		
AIRCRAFT	DATE	DIAGRAM
B-52C, H	NOV, 75	C-3



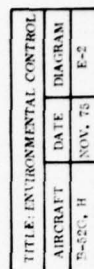


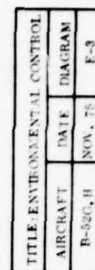
TITLE: INFORMATION & DISPLAY			
AIRCRAFT	DATE	DIAGRAM	
B-52C, II	NOV. 75	D-2	

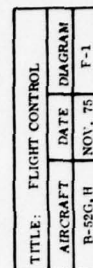




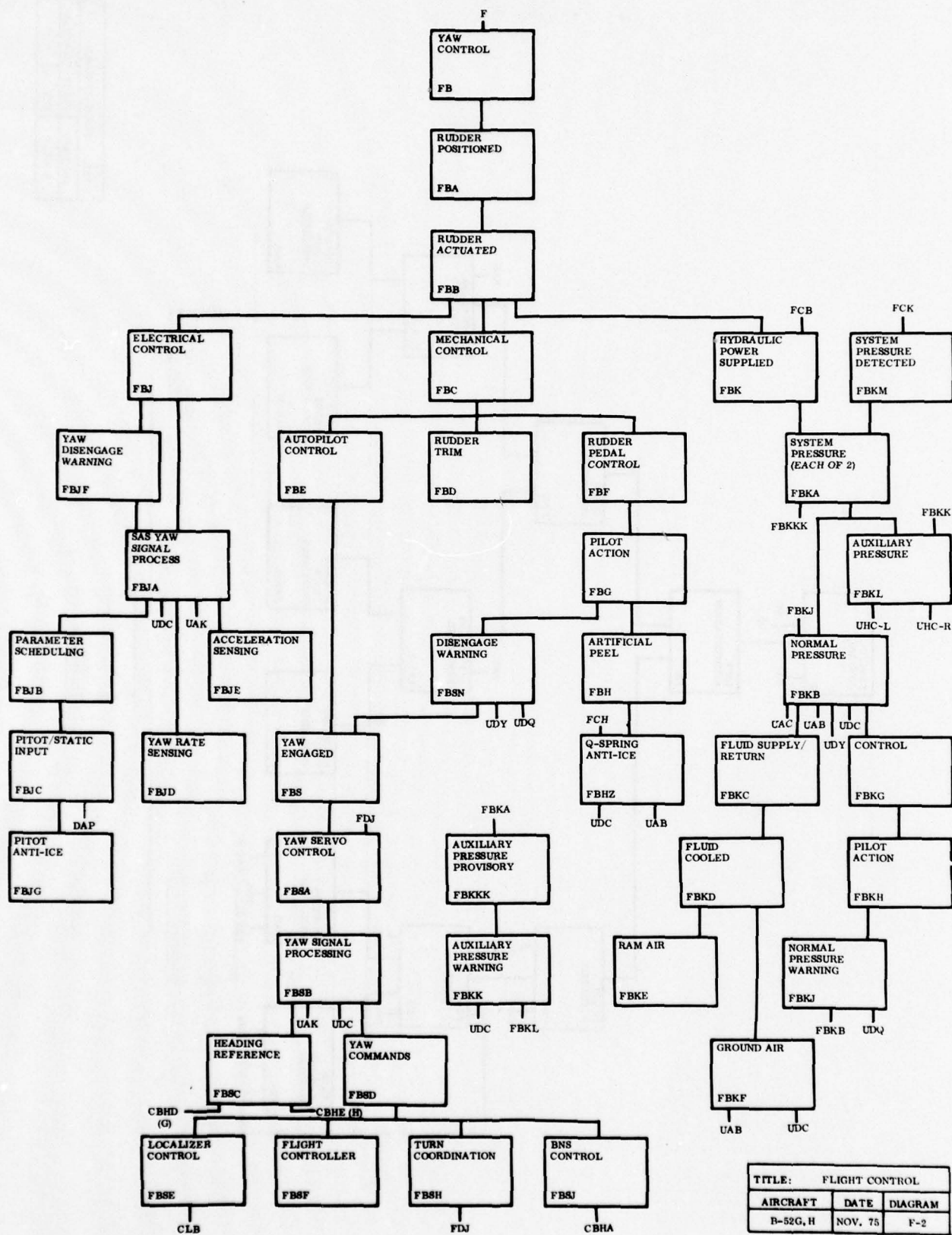
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AIRCRAFT	DATE	DIAGRAM	
P-32C, H	NOV, 75	E-1	

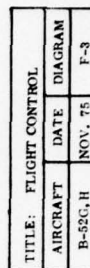


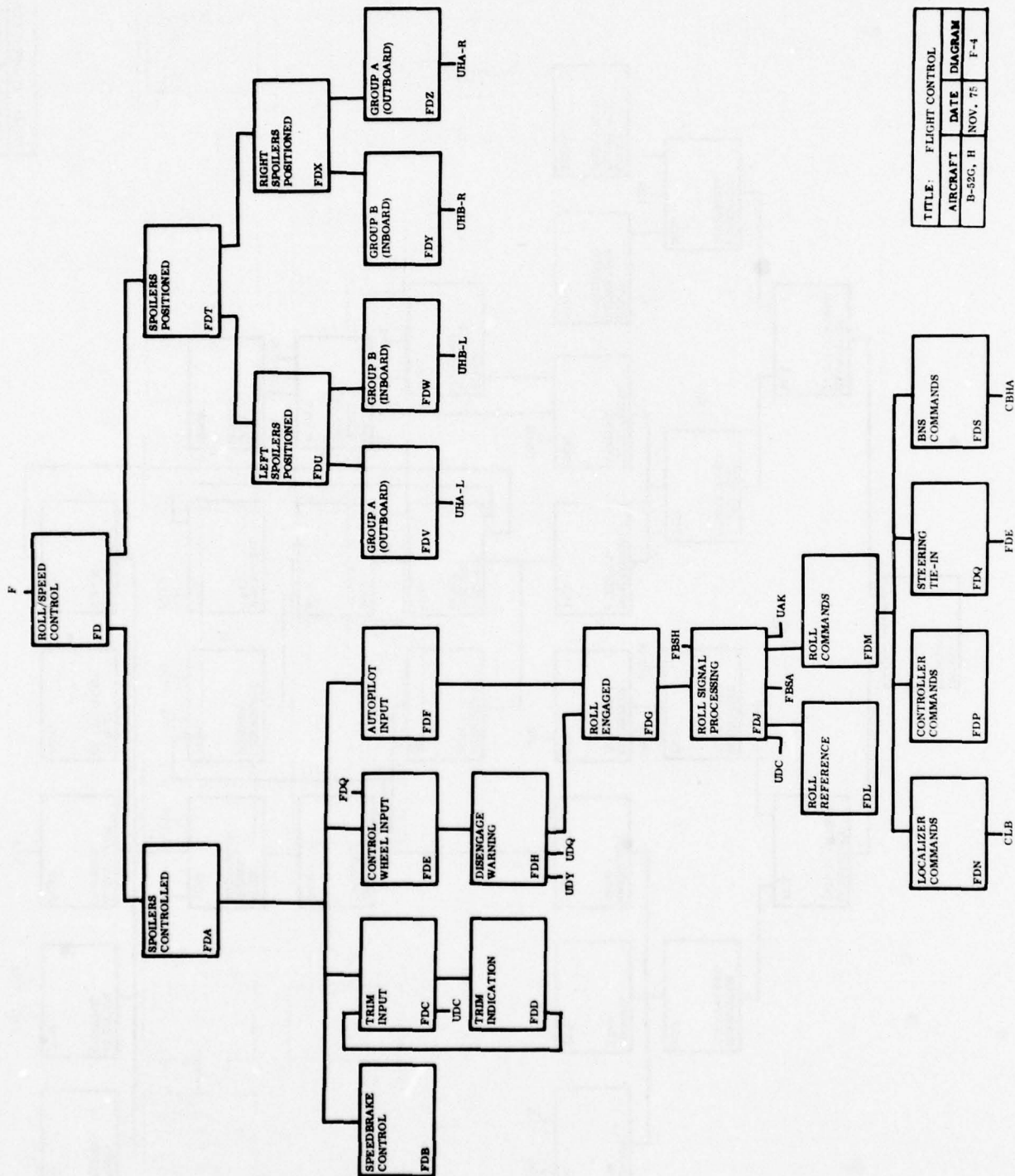




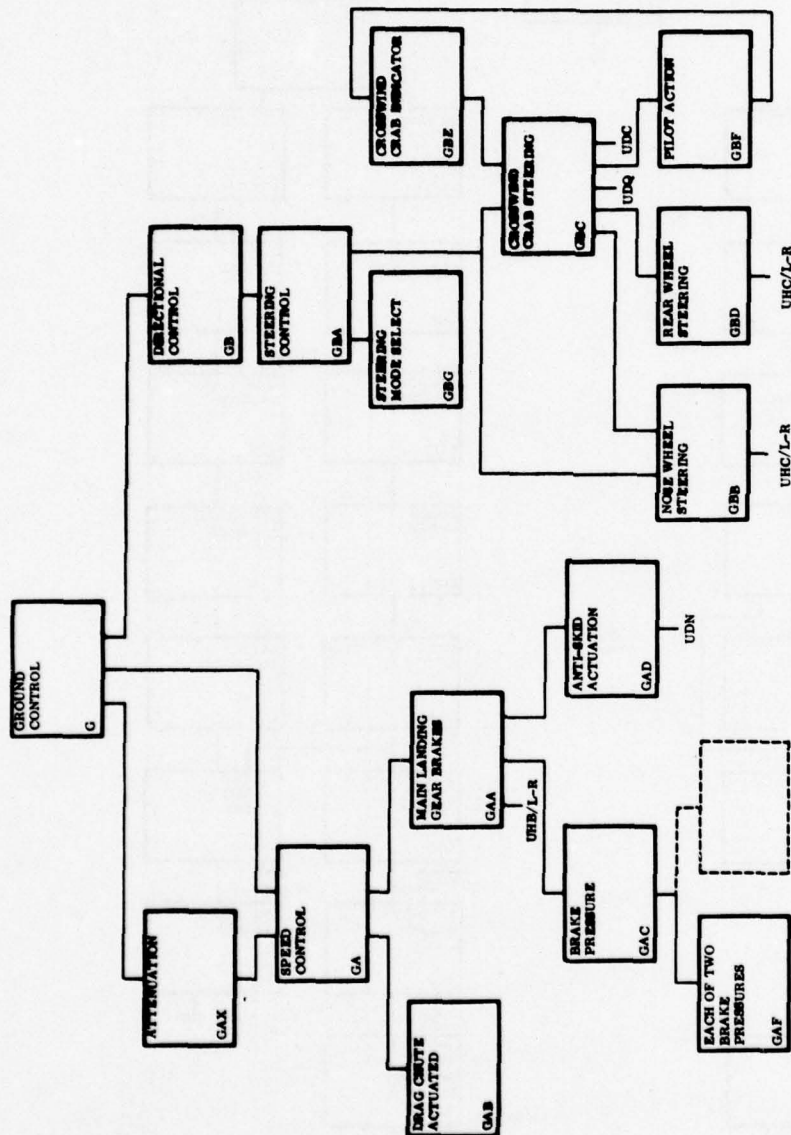






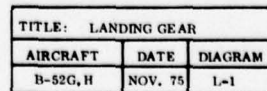


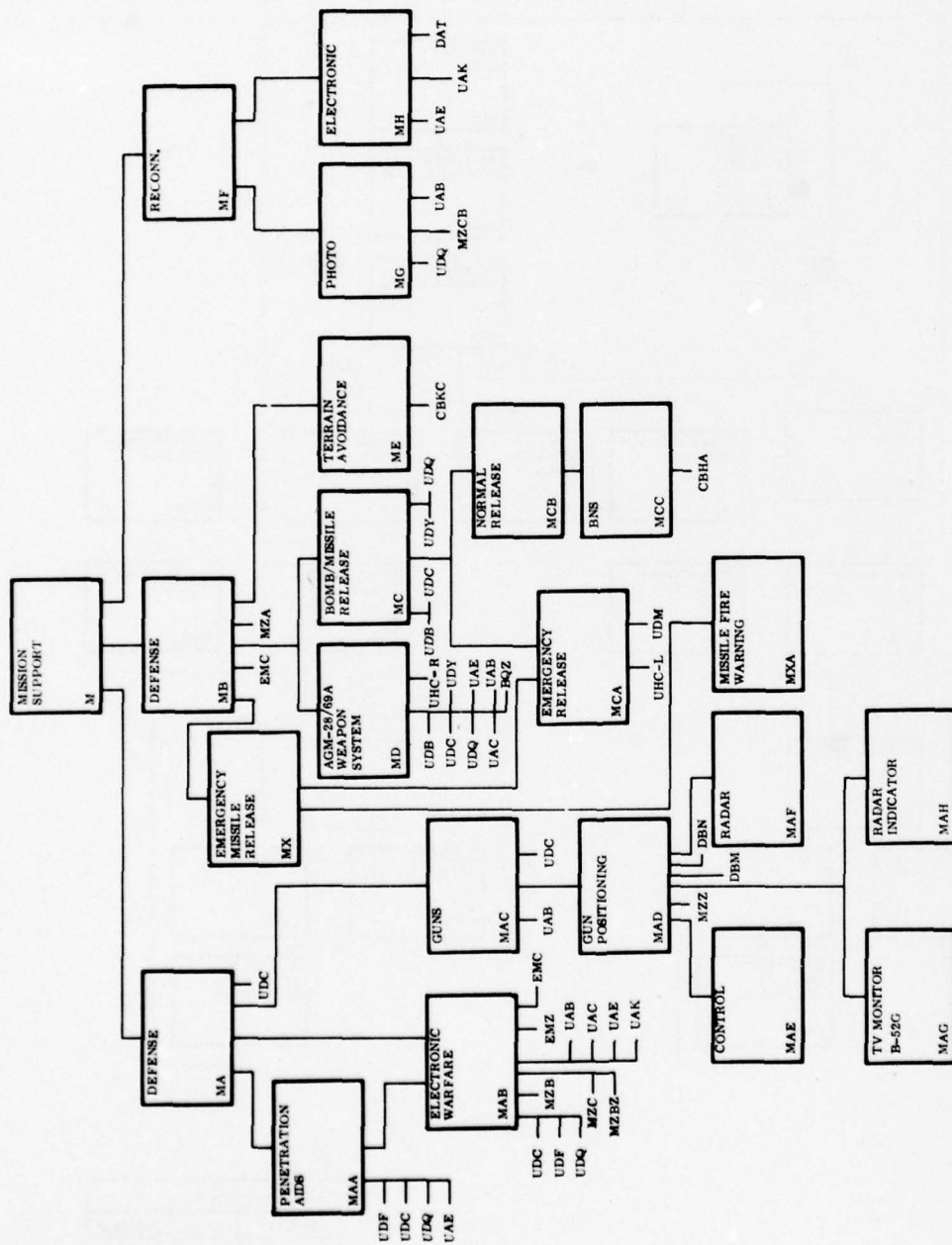
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AIRCRAFT	DATE	DIAGRAM
B-52C, H	NOV. 75	F-4



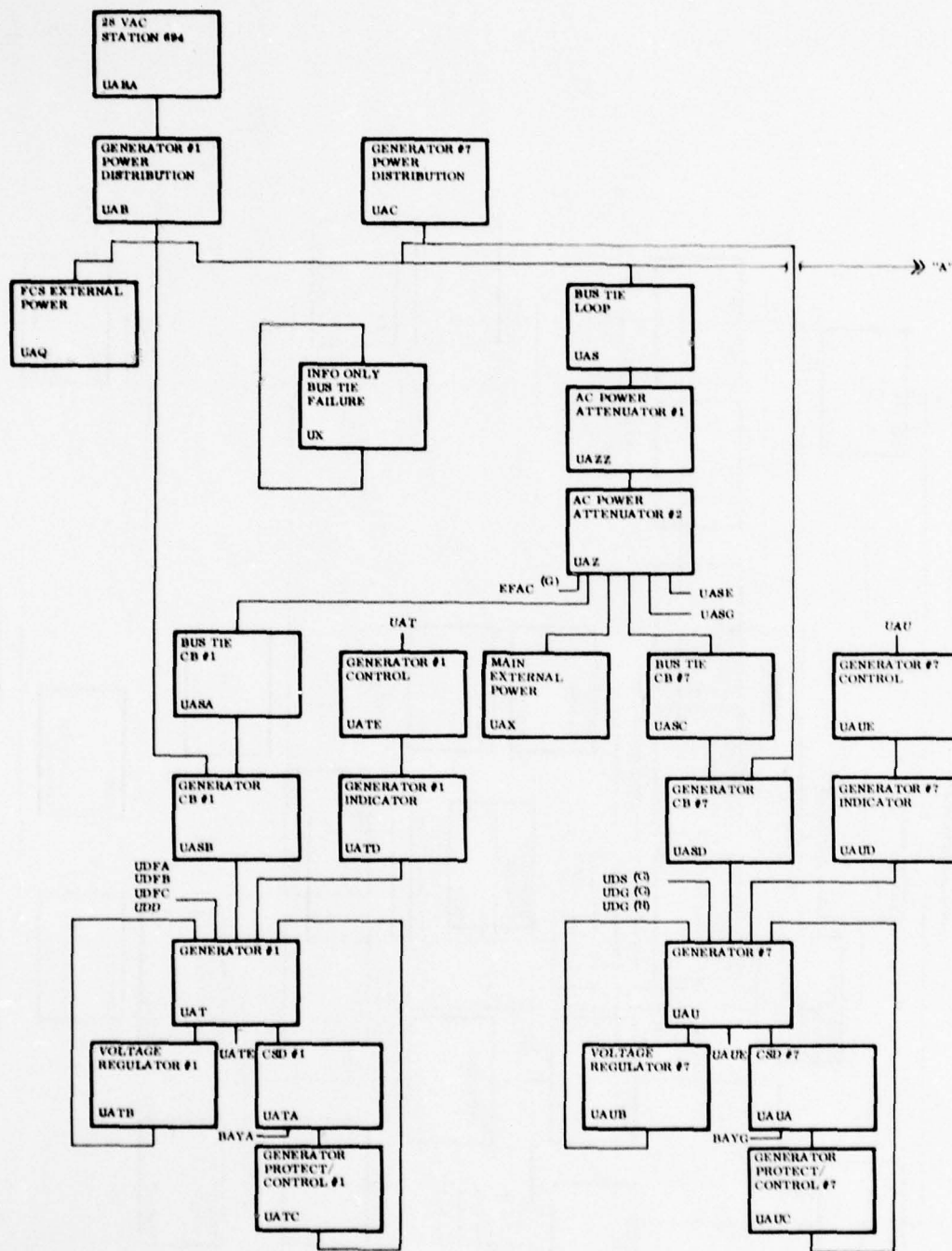
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AIRCRAFT	DATE	DIAGRAM
B-52G, H	NOV. 75	C-1







TITLE: MISSION SUPPORT			
AIRCRAFT	DATE	DIAGRAM	
B-52G, H	NOV. 75	M-1	

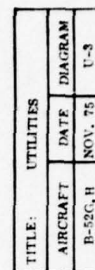


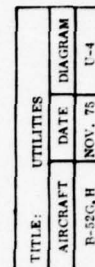
TITLE: UTILITIES		
AIRCRAFT	DATE	DIAGRAM
B-52G, H	NOV. 75	U-1



## SALT TOLERANCE







PG0005.JIR1 DATE = 10/10/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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 1234567890123456789012345678901234567890123456789012345678901234567890  
 PG0005.JIR1 3-526 52 526 526526

52	DESCRIPTION	BA	BB	AAAAA
52	PROPULSION	B		AAAAA
52	NO 1 NACELLE	BA	9 BBB	09AAAAA90
52	NO 1 NACELLE	BA		010000000
52	NO 1 ENGINE THRUST	BAA	8 BBB	SAAAAAA
52	NO 1 ENGINE THRUST	BAA		FAAAAAA
52	NO 1 ENGINE THRUST	BAA	BBB	SAAAAAA
52	CASE ASSY TURBINE EXHAUST 23ECA	BAAA	BAA	A
52	DUCT WDMT REAR BEARING 23ECB	BAAB	BAA	2
52	HOUSING WDMT REAR BEARING 23ECC	BAAC	BAA	4
52	SEAL ASSY REAR SHAFT GAS 23ECD	BAAD	BAA	7
52	HEATSHIELD BAFFLE ASSY 23ECE	BAAE	BAA	1
52	DUCT TURBINE EXHAUST 23ECH	BAAG	BAA	4
52	STRUT WDMT TURB EXHAUST 23ECJ	BAAH	BAA	1
52	CONE WDMT TURB EXHAUST 23ECK	BAAJ	BAA	1
52	SUPPORT ROD REAR BEARING 23ECL	BAAK	BAA	1
52	NOZZLE ASSY ENG EXHAUST 23ECM	BAAL	BAA	4
52H	TAIL CONE ASSY 23ECN	BAAM	BAA	1
52	BALL REAR MOUNT 23EKA	BAAN	BAA	3
52	CONE HANGER FWD MOUNT 23EKC	BAAP	BAA	6
52	LINK LOW FWD MOUNT UPPER 23EKD	BAAQ	BAA	1
52	LINK LOW FWD MOUNT LOWER 23EKE	BAAR	BAA	1
52	LINK UP FWD MOUNT UPPER 23EEK	BAAS	BAA	1
52	LINK UP FWD MOUNT LOWER 23EEL	BAAT	BAA	1
52	LINK AFT MOUNT RH 23EEN	BAAU	BAA	1
52	LINK AFT MOUNT LH 23EEO	BAAV	BAA	1
52	BALL FWD MOUNT 23EER	BAAW	BAA	8
52	COMBUSTION	BAB	BAA	AAAAA
52	CASE ASSY DIFFUSER 23DAA	BABA	BAB	A
52	SHROUD ASSY VANE 16 STAGE 23DAB	BABB	BAB	A
52	SHROUD COMP VANE INNER 23DAC	BABC	BAB	A
52	DUCT DIFFUSER INNER INLET 23DAE	BABD	BAB	A
52	HOUSING COMP REAR BEARING 23DAF	BABE	BAB	A
52	CHAMBER WDMNT NO 1-3-7 23DCA	BABJ	BAB	A
52	CHAMBER WDMNT NO 2-6-8 23DCB	BABK	BAB	A
52	CHAMBER WDMNT NO 4 23DCC	BABL	BAB	A
52	CHAMBER WDMNT NO 5 23DCD	BABM	BAB	A
52	CASE ASSY COMBUSTION FRONT 23DCE	BABN	BAB	A
52	FIRESEAL RIGHT 23DCF	BABP	BAB	A
52	FIRESEAL LEFT 23DCG	BABQ	BAB	A
52	FIRESEAL LOWER 23DCH	BABR	BAB	A
52	COMPRESSION	BAC	BAB	AAAAA
52	COMPRESSION	BAC	BAE	FAAAAAA
52	INLET AIR	BACA	BAC	AAAAA
52	VANE AND SHROUD ASSY COMP 23AAA	BACAA	BACA	A
52H	VANE 1ST STA COMP INLET 23AAC	BACAC	BACA	A
52H	SPACER COMP 1ST STAGE 23AAD	BACAD	BACA	A
52	PROLE ASSY COMP IN PRESS 23AAB	BACAE	BACA	1
52	CASE ASSY FR COMP FRONT 23FAA	BACB	BAC	A
52	VANE AND SHROUD ASSY 1 STA 23EAB	BACC	BAC	A
52	VANE AND SHROUD ASSY 2 STA 23EAC	BACD	BAC	A
52	VANE AND SHROUD ASSY 3 STA 23EAD	BACE	BAC	A



PGG095.J1R1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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52	SPACER ASSY COMP OUT SHRD	23BAE	BACF	BAC	A
52	CASE ASSY FRONT COMPRESSOR	23BAG	BACG	BAC	A
52	VANE AND SHROUD ASSY 4	STA23BAH	BACH	BAC	A
52	VANE AND SHROUD ASSY 5	STA23BAJ	BACJ	BAC	A
52	VANE AND SHROUD ASSY 6	STA23BAK	BACK	BAC	A
52	VANE AND SHROUD ASSY 7	STA23BAL	BACL	BAC	A
52	VANE AND SHROUD ASSY 8	STA23BAM	BACM	BAC	A
52	RING COMP ROTOR AIR SEAL	23BAP	BACN	BAC	A
52	ROTOR ASSY F COMPRESSOR	23BAQ	BACP	BAC	A
52	HUB F COMP ROTOR FRONT	23BAR	BACQ	BAC	A
52	HUB F COMP ROTOR REAR	23BAS	BACR	BAC	A
52	BLADE ROTOR NO 1	23BAX	BACS	BAC	A
52	BLADE ROTOR NO 2	23BAY	BACT	BAC	A
52	BLADE ROTOR NO 3	23BAZ	BACU	BAC	A
52	BLADE ROTOR NO 4	23BAI	BACV	BAC	A
52	BLADE ROTOR NO 5	23BA2	BACW	BAC	A
52	BLADE ROTOR NO 6	23BA3	BACX	BAC	A
52	BLADE ROTOR NO 7	23BA4	BACY	BAC	A
52	BLADE ROTOR NO 8	23BA5	BACZ	BAC	A
52	BLADE ROTOR NO 9	23BA6	BACZA	BAC	A
52	SPACER COMPRESSOR DISK	23BA7	BACZB	BAC	A
52	CASE ASSY COMP INTERMED	23BA8	BACZC	BAC	A
52	HOUSING ASSY COMP FR BRNG	23BB8	BACZD	BAC	A
52	SUPPORT COMP INTERIM BRNG	23BB9	BACZE	BAC	8
52	HOUSING SUPPORT COMP BRNG	23BB0	BACZF	BAC	A
52	HOUSING COMP INTERIM BRNG	23BBE	BACZG	BAC	A
52H	CASE FAN DISCHARGE	23BBG	BACZH	BAC	A
52	CASE ASSY REAR COMPRESSOR	23BCA	BACZJ	BAC	A
52	ROTOR ASSY REAR COMPRESSOR	23BCB	BACZK	BAC	A
52H	VANE AND SHROUD ASSY 16	STA23BCJ	BACZL	BAC	A
52	HUB R COMP ROTOR FRONT	23BCM	BACZM	BAC	A
52	HUB R COMP ROTOR REAR	23BCN	BACZN	BAC	A
52	BLADE ROTOR NO 10	23BCR	BACZP	BAC	A
52	BLADE ROTOR NO 16	23BCX	BACZQ	BAC	A
52	ROTOR AND CASE ASSY R COMP	23BCY	BACZR	BAC	A
52	SUPPORT ASSY COMP FR BRNG	23ABA	BACZS	BAC	8
52	HOUSING COMP FR BRNG SEAL	23ABB	BACZT	BAC	A
52	ENGINE ROTATION		BAD	BAC	
52	ENGINE ROTATION		BAD	BAYA	AAAAAAAAA FAAAAAAAAAA
52	CASE ASSY COMBUSTION INNER	23EAA	BADA	BAD	A
52	SHIELD HEAT SHAFT BRNG 5	23EAB	BADB	BAD	A
52	HOUSING TURBINE FR BRNG	23EAC	BADC	BAD	A
52	SUPPORT ASSY FR BRNG SEAL	23EAD	BADD	BAD	8
52	SPACER TURBINE NOZZLE CASE	23EAG	BADE	BAD	A
52	CLAMP ASSY COMB CHAMBER	23EAH	BADF	BAD	5
52	SUPPORT ASSY FR BRNG	23EAJ	BADG	BAD	8
52	DUCT ASSY COMB CH OUTLET	23EAK	BADH	BAD	A
52	RING ASSY TRB CASE POSNG	23EAL	BADJ	BAD	8
52	CASE ASSY TRB NOZZLE INNER	23EAM	BADK	BAD	A
52H	CLAMP ASSY COMB CHAMBER	23EAN	BADL	BAD	5



PG0055.JIR1 DATE = 10/16/75

# FLIGHT SAFETY PREDICTION TECHNIQUE

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52	CASE ASSY TURBINE	23EBA	BADM	BAJ	A
52	VANE TURBINE 1 STAGE	23EBB	BADN	BAJ	A
52	VANE TURBINE 2 STAGE	23EBC	BADP	BAJ	A
52	VANE TURBINE 3 STAGE	23EBD	BADQ	BAJ	A
52H	VANE TURBINE 4 STAGE	23EBE	BADR	BAJ	A
52	ROTOR ASSY R COMP DR TRB	23EBJ	BADS	BAJ	A
52	COUPLING R COMP DR TRB SHT	23EBK	BADT	BAJ	A
52	NOZZLE ASSY TRB 2 STAGE	23EBM	BADU	BAJ	A
52	NOZZLE ASSY TRB 3 STAGE	23EBN	BADV	BAJ	A
52	DISK-BLADE ASSY 2 STAGE	23EBP	BADW	BAJ	A
52	DISK-BLADE ASSY 3 STAGE	23EBQ	BADX	BAJ	A
52	HUB TURBINE ROTOR	23EBR	BADY	BAJ	A
52	SEAL-SHROUD 2 STA TRB ROT	23EBS	BADZ	BAJ	A
52	CASE ASSY COMB CHAMBER	23EBT	BADZA	BAJ	A
52	SEAL ASSY 1 STA OUTER TRB	23EBU	BADZB	BAJ	A
52	NOZZLE ASSY TRB 4 STAGE	23EBV	BADZC	BAJ	A
52H	DISK AND BLADE ASSY 4 STA	23EBW	BADZD	BAJ	A
52	ROTOR ASSY TR COMP DR TRB	23EBX	BADZE	BAJ	A
52G	SUPPORT-SHROUD ASSY STATOR	23EBY	BADZF	BAJ	A
52G	SPACER ASSY TRB ROTOR	23EBZ	BADZG	BAJ	A
52	BLADE SET 1 STA TURBINE	23EB1	BADZH	BAJ	A
52	BLADE SET 2 STA TURBINE	23EB2	BADZJ	BAJ	A
52	BLADE SET 3 STA TURBINE	23EB3	BADZK	BAJ	A
52H	BLADE SET 4 STA TURBINE	23EB4	BADZL	BAJ	A
52G	SHROUD TURBINE VANE INNER	23EB5	BADZM	BAJ	A
52H	RING ASSY AIR SEAL 3 STA	23EB6	BADZN	BAJ	A
52H	RING ASSY AIR SEAL 4 STA	23EB7	BADZP	BAJ	A
52	BEARING NO 1 MAIN	23FAA	BADZQ	BAJ	A
52	BEARING NO 2 MAIN	23FAE	BADZR	BAJ	A
52H	BEARING NO 2 MAIN	23FAC	BADZS	BAJ	A
52	BEARING NO 3 MAIN	23FAD	BADZT	BAJ	A
52	BEARING NO 4 MAIN	23FAE	BADZU	BAJ	A
52	BEARING NO 4 MAIN	23FAF	BADZV	BAJ	A
52	BEARING NO 5 MAIN	23FAG	BADZW	BAJ	A
52	BEARING NO 6 MAIN	23FAH	BADZX	BAJ	A
52	SEAL ASSY NO 1 BEARING	23FCA	BADZY	BAJ	A
52	SEAL ASSY NO 2 BEARING	23FCB	BADZZ	BAJ	A
52	SEAL ASSY NO 3 BEARING	23FCD	BADZZA	BAJ	A
52	SEAL ASSY NO 4 BEARING	23FCE	BADZZB	BAJ	A
52	SEAL ASSY NO 4 BEARING	23FCF	BADZZC	BAJ	A
52	SEAL ASSY NO 5 BEARING	23FCG	BADZZD	BAJ	A
52	SEAL ASSY NO 6 BEARING	23FCH	BADZZE	BAJ	A
52	ENGINE BLEED AIR	BAE	BAEA	BAEA	AAAAAAA
52H	ENGINE BLEED AIR	BAE	BAEA	BAEA	FAAAAAA
52	BLEED AIR DISTRIBUTION	BAEA	BAJA	BAJA	1111111
52	BLEED AIR DIST	BAEA	EFAD	EFAD	AAAAAAA
52	BLEED AIR DIST	BAEA	EFAD	EFAD	AAAAAAA
52	ENGINE BLEED AIR	BAEA	LUHAH	LUHAH	FAAAAAA
52	ENGINE BLEED AIR	BAEA	RUHAH	RUHAH	FAAAAAA
52	ENGINE BLEED AIR	BAEA	LUHRH	LUHRH	FAAAAAA

PG0095.J1R1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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52 ENGINE BLEED AIR BAEA RUHBM FAAAAAAAAA
52H ENGINE STALL PREVENTION BAEAA BAD C10000000
52H VALVE STALL PREV OVERRIDE 23LQC BAEAAA BAEAA A
52H GND ASSY COMP BLEED 23LAC BAEAAAB BAEAA A
52H ACTUATOR ASSY COMP BLEED 23LAB BAEAAAC BAEAA A
52G DUCT ASSY ENG BLEED 1357 23PTB BAEAE BAEA 5
52G DUCT ASSY ENG BLEED 2468 23PTC BAEAF BAEA 5
52G DUCT ASSY WELD NAC PNEUM 23PUA BAEAG BAEA 1
52H DUCT ASSY ENG BLEED 1278 23PVA BAEAH BAEA 0
52H DUCT ASSY MANIFOLD 35 23PVC BAEAJ BAEA 5
52H DUCT ASSY ENG BLEED 46 23PVE BAEAK BAEA 5
52H DUCT ASSY ENG BLEED 45 23PVF BAEAL BAEA 5
52H DUCT ASSY Y 23PWA BAEAM BAEA 5
52H DUCT ASSY OUTED STRUT STA 23PWB BAEAN BAEA 1
52H DUCT ASSY INBD STRUT 23PWC BAEAP BAEA 5
52 GROUND SERVICE AIR BAEB BAEA 000000000
52G VALVE ASSY AIR CHECK 23PUB BAEB BAEBA A
52G ADAPTER GROUND CHARGER 23PUC BAERB BAEB 0
52H VALVE ASSY CHECK 23PXD BAEB C BAEB 1
52H ADAPTER ASSY GND CHARGER 23PXE BAEBD BAEB 0
52H DUCT ASSY GND CH SUP LINE 23PXA BAEBE BAEB A
52H DUCT ASSY GND CH UPPER 23PXB BAEBF BAEB A
52H DUCT ASSY GND CH NOSE COWL 23PXC BAEBG BAEB A
52H ELBOW ASSY NO 1-3-5-7 ENG 23PXF BAEBH BAEB 1
52H ELBOW ASSY NO 2-4-6-8 ENG 23PXG BAEBJ BAEB 1
52 VALVE ASSY COMP BLEED 23LAA BAEQ BAE 2
52 ACTUATOR ASSY COMP BLEED 23LAB BAER BAE 2
52 TUBE AIR SUPPLY ENGINE 23LQA BAET BAE 1
52 TUBE BLEED VALVE 23LQB BAEU BAE 1
52 VALVE CHECK <1278% 23PVB BAEV BAE 1
52 VALVE CHECK <3456% 23PVD BAEW BAE 1
52G VALVE ASSY AIR CHECK 23PTA BAEX BAE 1
52 FUEL CONTROL BAF BAB AAAAAAAAAA
52 FUEL CONTROL BAF BAN FAAAAAAAAA
52 NOZZLE ASSY FULL 23HAC BAF BAF 1
52 DISTR ASSY FUEL MAN INLET 23HAD BAFB BAF A
52 VALVE ASSY COMB CH DRAIN 23HAE BAF C BAF 1
52 PUMP ASSY FUEL 23HAF BAFD BAF 8
52 VALVE ASSY FUEL PRES-DUMP 23HAK BAFE BAF 1
52 CONTROL ASSY FUEL 23HAK BAFF BAF A
52 FILTER FUEL CONTROL 23HAL BAFG BAF 1
52H VALVE ASSY FUEL CHECK 23HAM BAFH BAF 1
52 TRAP ASSY MOISTURE 23HAP BAFJ BAF 1
52 TUBE FUEL OUTLET 23HQD BAFK BAF 5
52 TUBE STRAINER 23HQM BAFL BAF 1
52 STRAINER ASSY-ENGINE FUEL 23HQN BAFM BAF 1
52 BRACKET STRAINER SUPPORT 23HQP BAFN BAF 0
52 ELEMENT FUEL STRAINER 23HQO BAFP BAF 1
52 TUBE FUEL PUMP DISCHARGE 23HRA BAFQ BAF A
52 TUBE FUEL PUMP DRAIN 23HRR BAFR BAF 0

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PGS 105.J1R1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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52 TUBE STRAINER/PUMP INLET 23HFC BAFS BAF 1
52 TUBE FLOW XMIT DISCHARGE 23HFD BAFI BAF 1
52 TUBE COMB CH FUEL DR PORT 23HFE BAFU BAF 1
52 MANIFOLD ENG FUEL/OIL DRA123HFF BAFV BAF 1
52 TUBE FUEL BYPASS CONTROL 23HFG BAFW BAF 3
52 TUBE CONTR TO FLOW XMITTL23HGH BAFX BAF 4
52 SHIELD 23HAQ BAFY BAF 1
52 THROTTLE CONTROL BAH BAF AAAAAA1AAA
52 THROTTLE CONTROL BAH BAF FAAAAA1AAAA
52 SHAFT ASSY POWER LEVER 23NAA BAH BAH 8
52 BEARING CROSS-SHAFT 23NAB BAH BAH 1
52 LEVER ASSY POWER CONTROL 23NAC BAH BAH 8
52 ROD ASSY POWER CONT ACT 23NAD BAH BAH A
52 LEVER THROTTLE 23NQA BAH BAH 8
52 STOP THROTTLE 23NQB BAH BAH 1
52 DRUM THROTTLE CABLE 23NQC BAH BAH 1
52 CABLE THROTTLE 23NQF BAH BAH A
52 PULLEY THROTTLE CONTROL 23NQH BAH BAH 1
52 REG THROTTLE CONT TENSION23NGH BAH BAH 7
52 SUPPORT BELLCRANK 23NQJ BAH BAH 1
52 THROTTLE QUD INSTAL ENG 23NKO BAH BAH 8
52 THROTTLE BRK INSTAL ENG 23NSO BAH BAH 2
52 CAM THROTTLE WARN SW 23NQD BAH BAH 1
52 ENGINE OIL BAL BAF AAAAAA1AAA
52 OPERATIONAL STATUS BAH BAF 111111111
52 EXHAUST GAS TEMPERATURE BAH BAF 111111111
52 THERMOCOUPLE ASSY 23MAA BAH BAH A
52 HARNESS THERMOCOUPLE 23MAH BAH BAH 8
52 LEAD ASSY THERMOCOUPLE 23MAC BAH BAH 8
52 INDICATOR EXH GAS TEMP 51E1A BAH BAH A
52 FUEL FLOW RATE BAH BAF I BAF 111111111
52 INDICATOR FUEL FLOW RATE51E1A BAH BAF 2
52 XMITTER FUEL FLOW RATE 51E1B BAH BAF A
52 INDICATOR TOTAL FUEL 51E1C BAH BAF 1
52 POWER SUPPLY FLOW RATE 51E1D BAH BAF A
52 OIL PRESSURE BAH BAF I BAF 555555555
52 INDICATOR OIL PRESSURE 51E1A BAH BAF 1
52 MOUNT OIL PRES XMITTER 51E1B BAH BAF 0
52H XMITTER OIL PRES TRU66A 51E1H BAH BAF 1
52G XMITTER OIL PRES 51E1F BAH BAF 1
52 ENG LOW PRES WARNING 49DFC BAH BAF 1
52 ENGINE PRESSURE RATIO BAH BAF 111111111
52 PROBE PRESSURE SENSING 23MBA BAH BAF A
52 PT2 LINES AND TUBING 23MBB BAH BAF A
52 PT 7 LINES AND TUBING 23MBC BAH BAF A
52 INDICATOR ENG PRES RATIO 51E1A BAH BAF A
52 XDUCEA ENG PRES RATIO 51E1B BAH BAF A
52 MOTOR GENERATOR 51E1C BAH BAF A
52 PROBE ASSY COMP INLET PRES23AAB BAH BAF 1
52 ENGINE SPEED BAH BAF 111111111

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FLIGHT SAFETY PREDICTION TECHNIQUE

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52	TACHOMETER	51FAA	BAMSA	BAMS	A	
52	GENERATOR TACHOMETER	51LAB	BAMSB	BAMS	A	
52	OIL TEMPERATURE		BAMT	BAM	1	BAN 111111111
52	LIGHT MASTER CAUTION	49DDO	BAMTA	BAMT	1	
52	PROBE ENG OIL TEMP	51EIB	BAMTH	BAMT	A	
52	INDICATOR ENG OIL TEMP	51EIA	BAMTC	BAMT	1	
52H	CONTROLLER MASTER	49LEA	BAMTD	BAMT	1	
52	SWITCH SELECTOR	51IIC	BAMTD	BAMT	3	
52H	INDICATOR CENTRAL CAUTION	49DEJ	BAMTE	BAMT	1	
52	CONTROL M-CAUTION LIGHT	49DIA	BAMTF	BAMT	1	
52H	RELAY CENTRAL CAUTION	49LEG	BAMTG	BAMT	1	
52H	PANEL CENTRAL CAUTION	49LEH	BAMTH	BAMT	1	
52	OIL COOLING		BAN	BAL		008888800
52G	TUBE EJECTION AIR SUPPLY	23JQR	BANA	BAN	0	
52G	VALVE EJECTOR	23JQC	BANB	BAN	0	
52	COOLER-VALVE ASSY A/F-OIL	23JAD	BANC	BAN	5	
52	TUBE COOLER OIL INLET	23JQA	BAND	BAN	1	
52H	TUBE ASSY FUEL OIL COOLER	23JQM	BANE	BAN	1	
52H	TUBE ASSY FUEL OIL COOLER	23JQN	BANF	BAN	1	
52G	DUCT AIR INLET OIL COOLER	23JQR	BANG	BAN	1	
52	THERMOSTAT OIL TEMP CONT	23JQP	BANH	BAN	5	
52	OIL PRESSURIZATION		BAP	BAL		AAAAAAAAA
52	PUMP ASSY-OIL	23JSD	BAPA	BAP	A	
52	VALVE ASSY OIL FILTER	23JAF	BAPB	BAP	A	
52	VALVE ASSY PRES RELIEF	23JAG	BAPC	BAP	5	
52	STRAINER ASSY-MAIN OIL	23JAH	BAPD	BAP	1	
52	VALVE ASSY BREATHER PRES	23JAE	BAPF	BAP	0	
52	TUBE ASSY OIL PRESSURE	23JQJ	BAPF	BAP	A	
52	TUBE ASSY SCAVANGE OIL	23JQK	BAPG	BAP	A	
52	ENGINE STATUS		BAPZ	BAA		111111111
52	ENGINE START		BAQ	BAQ		AAAAAAAAA
52	GROUND START		BAQA	BAQ		000000000
52	STARTER PNEUMATIC	23KQA	BAQAB	BAQA	A	
52	RELAY-STARTER	23KQB	BAQAC	BAQA	A	
52	VALVE PNEUM START CONTROL	23KQC	BAQAD	BAQA	A	
52H	ADAPTER-STARTER MOUNT	23KQE	BAQAE	BAQA	1	
52	DUCT ENG TO CONTROL VALVE	23KQG	BAQAF	BAQA	1	
52	DUCT CONTR VALVE-STARTER	23KQH	BAQAG	BAQA	1	
52	STARTER-CARTRIDGE	23KQJ	BAQAH	BAQA	A	
52	CHAMBER CART START BRECH	23KQK	BAQAJ	BAQA	1	
52	CAP CART START BRECH	23KQL	BAQAK	BAQA	1	
52	VALVE RELIEF	23KQN	BAQAL	BAQA	1	
52	DUCT EXHAUST	23KQP	BAQAM	BAQA	1	
52	VALVE CART START CONTROL	23KQQ	BAQAN	BAQA	A	
52	DUCT AIR INLET	23KQR	BAQAP	BAQA	1	
52	ADAPTER ASSY START DRIVE	23CEA	BAQAQ	BAQA	1	
52	BEARING	23CBC	BAQAR	BAQA	1	
52	SHAFT GEAR	23CBD	BAQAS	BAQA	5	
52	AIR START		BAQS	BAQ	T	00AAAAA00
52	RELAY-STARTER	23KQB	BAQSA	BAQS	A	



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000000001111111122222222333333334444445555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52H CONTROLLER MASTER CAUTION 49UEA BAXTF BAXI 1
52G WATER INJECTION LOW PRES BAXW BAXW I BAW 010000000
52G SW LOW PRESSURE WARNING 23FQI BAXWA BAXW A
52 ACCESSORY DRIVE NO 1 BAYA BAF AAAAAAAAAA
52 ACCESSORY DRIVE NO 1 BAYA UATA AAAAAAAAAA
52 ACCESSORY DRIVE NO 1 BAYA UHEL AAAAAAAAAA
52 HOUSING ASSY 23CAA BAYAA BAYA A
52 BEARING ACCESSORY DRIVE 23CAB BAYAB BAYA A
52 COUPLING ACCESSORY DRIVE 23CAC BAYAC BAYA A
52 SHAFTGEAR ASSY MAIN DRIVE 23CAD BAYAD BAYA A
52 GEAR ACCESSORY DRIVE 23CAF BAYAE BAYA A
52 BREATHER ASSY ACCESS DRIVE 23CAF BAYAF BAYA 1
52 ADAPTER ASSY ACCESS DRIVE 23CCA BAYAK BAYA A
52 SHAFT ACCESS DRIVE 23CCB BAYAL BAYA A
52 GEAR ACCESS DRIVE 23CCD BAYAM BAYA A
52 HOUSING ACCESS DR BEARING 23CBA BAYAW BAYA A
52 GEARSHAFT ASSY MAIN ACC DR 23CDB BAYAX BAYA A
52 BEARING ACCESSORY DRIVE 23CFC BAYAY BAYA A
52 SUPPORT ASSY FRNT ACC DR 23ABD BAYAZ BAYA A
52 BEARING FRONT DRIVE 23ABE BAYAZA BAYA A
52 SHAFT ACCESS DRIVE MAIN 23ABF BAYAZH BAYA A
52 SUPPORT ASSY FRNT ACC DR 23ABL BAYAZC BAYA A
52 NO 2 ACCESSORY DRIVE BAYB BAA SAAAAAAAAA
52G NO 2 ACCESSORY DRIVE BAYB BAW AAAAAAAAAA
52 HOUSING ASSY NO 2 23CAA BAYBA BAYB A
52 BEARING ACCESSORY DRIVE 23CAB BAYBB BAYB A
52 COUPLING ACCESSORY DRIVE 23CAC BAYBC BAYB A
52 SHAFTGEAR ASSY MAIN DRIVE 23CAD BAYBD BAYB A
52 GEAR ACCESSORY DRIVE 23CAF BAYBE BAYB A
52 BREATHER ASSY ACCESS DRIVE 23CAF BAYBF BAYB 1
52 ADAPTER ASSY ACCESS DRIVE 23CCA BAYBK BAYB A
52 SHAFT ACCESS DRIVE 23CCB BAYBL BAYB A
52 GEAR ACCESS DRIVE 23CCD BAYBM BAYB A
52 BEARING ACCESS DRIVE 23CCE BAYBN BAYB A
52 COUPLING ASSY DR EXT SHAFT 23CDA BAYBP BAYB A
52 BEARING ACCESS DR SHAFT 23CDB BAYBQ BAYB A
52 GEAR ACCESS DRIVE 23CCD BAYBR BAYB A
52 SUPPORT ASSY ACCESS DR BRG 23CDD BAYBS BAYB A
52 SHAFT ASSY ACCESS DR EXT 23CDE BAYBT BAYB A
52 TUBE ASSY ACCESS DR SHAFT 23CDF BAYBU BAYB 1
52G CONNECTOR OIL PRES HOSE 23CDG BAYBV BAYB 1
52 HOUSING ACCESS DR BEARING 23CBA BAYBW BAYB A
52 GEARSHAFT ASSY MAIN ACC DR 23CDB BAYBX BAYB A
52 BEARING ACCESSORY DRIVE 23CDB BAYBY BAYB A
52 SUPPORT ASSY FRNT ACC DR 23ABD BAYBZ BAYB A
52 BEARING FRONT DRIVE 23ABE BAYBZA BAYB A
52 SHAFT ACCESS DRIVE MAIN 23ABF BAYBZH BAYB A
52 SUPPORT ASSY FRNT ACC DR 23ABL BAYBZC BAYB A
52 NO 3 ACCESSORY DRIVE BAYC BAA SAAAAAAAAA
52 ACCESSORY DRIVE NO 3 BAYC BAW AAAAAAAAAA

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12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 ACCESSORY DRIVE NO 3 23CAA BAYC LUHRE 4444444444
52 HOUSING ASSY NO 3 23CAB BAYCA BAYC A
52 BEARING ACCESSORY DRIVE 23CAB BAYCB BAYC A
52 COUPLING ACCESSORY DRIVE 23CAC BAYCC BAYC A
52 SHAFTGEAR ASSY MAIN DRIVE 23CAD BAYCD BAYC A
52 GEAR ACCESSORY DRIVE 23CAE BAYCE BAYC A
52 BREAKER ASSY ACCESS DRIVE 23CAF BAYCF BAYC 1
52 ADAPTER ASSY ACCESS DRIVE 23CCA BAYCK BAYC A
52 SHAFT ACCESS DRIVE 23CCB BAYCL BAYC A
52 GEAR ACCESS DRIVE 23CCC BAYCM BAYC A
52 BEARING ACCESS DRIVE 23CCD BAYCN BAYC A
52 COUPLING ASSY DR EXT SHAFT 23CDB BAYCP BAYC A
52 BEARING ACCESS DR SHAFT 23CDB BAYCQ BAYC A
52 GEAR ACCESS DRIVE 23CDC BAYCR BAYC A
52 SUPPORT ASSY ACCESS DR BPG 23CDD BAYCS BAYC A
52 SHAFT ASSY ACCESS DR EXT 23CDE BAYCT BAYC A
52 TUBE ASSY ACCESS DR SHAFT 23CDF BAYCU BAYC 1
52G CONNECTOR OIL PRES HOSE 23CEG BAYCV BAYC 1
52 HOUSING ACCESS DR BEARING 23CEA BAYCW BAYC A
52 GEARSHAFT ASSY MAIN ACC DR 23CEB BAYCX BAYC A
52 BEARING ACCESSORY DRIVE 23CEC BAYCY BAYC A
52 SUPPORT ASSY FRNT ACC DR 23CED BAYCZ BAYC A
52 BEARING FRONT DRIVE 23CEE BAYCZA BAYC A
52 SHAFT ACCESS DRIVE MAIN 23CEF BAYCZB BAYC A
52 SUPPORT ASSY FRNT ACC DR 23AEF BAYCZC BAYC A
52 NO 4 ACCESSORY DRIVE BAYD RAA SAAAAAAAAA
52G NO 4 ACCESSORY DRIVE BAYD PAW SAAAAAAAAA
52 ACCESSORY DRIVE NO 4 BAYD UHGL AAAAAAAAAA
52 HOUSING ASSY NO 4 23CAA BAYDA BAYD A
52 BEARING ACCESSORY DRIVE 23CAB BAYDB BAYD A
52 COUPLING ACCESSORY DRIVE 23CAC BAYDC BAYD A
52 SHAFTGEAR ASSY MAIN DRIVE 23CAD BAYDD BAYD A
52 GEAR ACCESSORY DRIVE 23CAE BAYDE BAYD A
52 BREAKER ASSY ACCESS DRIVE 23CAF BAYDF BAYD 1
52 ADAPTER ASSY ACCESS DRIVE 23CCA BAYDK BAYD A
52 SHAFT ACCESS DRIVE 23CCB BAYDL BAYD A
52 GEAR ACCESS DRIVE 23CCD BAYDM BAYD A
52 BEARING ACCESS DRIVE 23CCD BAYDN BAYD A
52 COUPLING ASSY DR EXT SHAFT 23CDB BAYDP BAYD A
52 BEARING ACCESS DR SHAFT 23CDB BAYDQ BAYD A
52 GEAR ACCESS DRIVE 23CEC BAYDR BAYD A
52 SUPPORT ASSY ACCESS DR BPG 23CDD BAYDS BAYD A
52 SHAFT ASSY ACCESS DR EXT 23CDE BAYDT BAYD A
52 TUBE ASSY ACCESS DR SHAFT 23CDF BAYDU BAYD 1
52G CONNECTOR OIL PRES HOSE 23CEG BAYDV BAYD 1
52 HOUSING ACCESS DR BEARING 23CEA BAYDW BAYD A
52 GEARSHAFT ASSY MAIN ACC DR 23CEB BAYDX BAYD A
52 BEARING ACCESSORY DRIVE 23CEC BAYDY BAYD A
52 SUPPORT ASSY FRNT ACC DR 23CED BAYDZ BAYD A
52 BEARING FRONT DRIVE 23CEE BAYDZA BAYD A

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52  SHAFT ACCESS DRIVE MAIN 23ABF BAYDZB BAYD A
52  SUPPORT ASSY FRNT ACC DR 23ABL BAYDZC BAYD A
52  NO 5 ACCESSORY DRIVE BAYE HAA SAAAAAAAAA
52  ACCESSORY DRIVE NO 5 BAYE JAVA AAAAAAAA
52  HOUSING ASSY NO 5 23CAA BAYEA BAYE A
52  BEARING ACCESSORY DRIVE 23CAB BAYEB BAYE A
52  COUPLING ACCESSORY DRIVE 23CAC BAYEC BAYE A
52  SHAFTGEAR ASSY MAIN DRIVE 23CAD BAYED BAYE A
52  GEAR ACCESSORY DRIVE 23CAF BAYEE BAYE A
52  BREATHER ASSY ACCESS DRIVE 23CAF BAYEF BAYE 1
52  ADAPTER ASSY ACCESS DRIVE 23CCA BAYEK BAYE A
52  SHAFT ACCESS DRIVE 23CCB BAYEL BAYE A
52  GEAR ACCESS DRIVE 23CCD BAYEM BAYE A
52  BEARING ACCESS DRIVE 23CCE BAYEN BAYE A
52  COUPLING ASSY DR EXT SHAFT 23CDA BAYEP BAYE A
52  BEARING ACCESS DR SHAFT 23CDB BAYEQ BAYE A
52  GEAR ACCESS DRIVE 23CCD BAYER BAYE A
52  SUPPORT ASSY ACCESS DR BRG 23CDD BAYES BAYE A
52  SHAFT ASSY ACCESS DR EXT 23CDE BAYET BAYE A
52  TUBE ASSY ACCESS DR SHAFT 23CDF BAYEU BAYE 1
52G CONNECTOR OIL PRES HOSE 23CDG BAYEV BAYE 1
52  HOUSING ACCESS DR BEARING 23DEA BAYEW BAYE A
52  GEARSHAFT ASSY MAIN ACC DR 23DEB BAYEX BAYE A
52  BEARING ACCESSORY DRIVE 23DEC BAYEY BAYE A
52  SUPPORT ASSY FRNT ACC DR 23ADB BAYEZ BAYE A
52  BEARING FRONT DRIVE 23ABE BAYEZA BAYE A
52  SHAFT ACCESS DRIVE MAIN 23ABF BAYEZB BAYE A
52  SUPPORT ASSY FRNT ACC DR 23ABL BAYEZC BAYE A
52  NO 6 ACCESSORY DRIVE BAYF BAA SAAAAAAAAA
52G NO 6 ACCESSORY DRIVE BAYF BAW SAAAAAAAAA
52  ACCESSORY DRIVE NO 6 BAYF RUHBE AAAAAAAA
52  HOUSING ASSY NO 6 23CAA BAYFA BAYF A
52  BEARING ACCESSORY DRIVE 23CAB BAYFB BAYF A
52  COUPLING ACCESSORY DRIVE 23CAC BAYFC BAYF A
52  SHAFTGEAR ASSY MAIN DRIVE 23CAD BAYFD BAYF A
52  GEAR ACCESSORY DRIVE 23CAF BAYFE BAYF A
52  BREATHER ASSY ACCESS DRIVE 23CAF BAYFF BAYF 1
52  ADAPTER ASSY ACCESS DRIVE 23CCA BAYFK BAYF A
52  SHAFT ACCESS DRIVE 23CCB BAYFL BAYF A
52  GEAR ACCESS DRIVE 23CCD BAYFM BAYF A
52  BEARING ACCESS DRIVE 23CCE BAYFN BAYF A
52  COUPLING ASSY DR EXT SHAFT 23CDA BAYFP BAYF A
52  BEARING ACCESS DR SHAFT 23CDB BAYFQ BAYF A
52  GEAR ACCESS DRIVE 23CCD BAYFR BAYF A
52  SUPPORT ASSY ACCESS DR BRG 23CDD BAYFS BAYF A
52  SHAFT ASSY ACCESS DR EXT 23CDE BAYFT BAYF A
52  TUBE ASSY ACCESS DR SHAFT 23CDF BAYFU BAYF 1
52G CONNECTOR OIL PRES HOSE 23CDG BAYFV BAYF 1
52  HOUSING ACCESS DR BEARING 23DEA BAYFW BAYF A
52  GEARSHAFT ASSY MAIN ACC DR 23DEB BAYFX BAYF A

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52	BEARING ACCESSORY DRIVE	23DEC	BAYFY	BAYF	A
52	SUPPORT ASSY FRNT ACC DR	23AID	BAYFZ	BAYF	A
52	BEARING FRONT DRIVE	23ABE	BAYFZA	BAYF	A
52	SHAFT ACCESS DRIVE MAIN	23AIE	BAYFZB	BAYF	A
52	SUPPORT ASSY FRNT ACC DR	23AEL	BAYFZC	BAYF	A
52	NO 7 ACCESSORY DRIVE		BAYG	BAA	SAAAAAAAAA
52	ACCESSORY DRIVE NO 7		BAYG	UAUA	AAAAAAAAAA
52	ACCESSORY DRIVE NO 7		BAYG	UHER	AAAAAAAAAA
52	HOUSING ASSY NO 7	23CAA	BAYGA	BAYG	A
52	BEARING ACCESSORY DRIVE	23CAB	BAYGB	BAYG	A
52	COUPLING ACCESSORY DRIVE	23CAC	BAYGC	BAYG	A
52	SHAFTGEAR ASSY MAIN DRIVE	23CAD	BAYGD	BAYG	A
52	GEAR ACCESSORY DRIVE	23CAE	BAYGE	BAYG	A
52	BREATHER ASSY ACCESS DRIVE	23CAF	BAYGF	BAYG	1
52	ADAPTER ASSY ACCESS DRIVE	23CCA	BAYGK	BAYG	A
52	SHAFT ACCESS DRIVE	23CCB	BAYGL	BAYG	A
52	GEAR ACCESS DRIVE	23CCD	BAYGM	BAYG	A
52	BEARING ACCESS DRIVE	23CCE	BAYGN	BAYG	A
52	COUPLING ASSY DR EXT SHAFT	23CDA	BAYGP	BAYG	A
52	BEARING ACCESS DR SHAFT	23CDB	BAYGQ	BAYG	A
52	GEAR ACCESS DRIVE	23CDC	BAYGR	BAYG	A
52	SUPPORT ASSY ACCESS DR BRG	23CDD	BAYGS	BAYG	A
52	SHAFT ASSY ACCESS DR EXT	23CDE	BAYGT	BAYG	A
52	TUBE ASSY ACCESS DR SHAFT	23CDF	BAYGU	BAYG	1
52G	CONNECTOR OIL PRES HOSE	23CDG	BAYGV	BAYG	1
52	HOUSING ACCESS DR BEARING	23CDA	BAYGW	BAYG	A
52	GEAR SHAFT ASSY MAIN ACC DR	23CDB	BAYGX	BAYG	A
52	BEARING ACCESSORY DRIVE	23DEC	BAYGY	BAYG	A
52	SUPPORT ASSY FRNT ACC DR	23AID	BAYGZ	BAYG	A
52	BEARING FRONT DRIVE	23ABE	BAYGZA	BAYG	A
52	SHAFT ACCESS DRIVE MAIN	23AIE	BAYGZB	BAYG	A
52	SUPPORT ASSY FRNT ACC DR	23AEL	BAYGZC	BAYG	A
52	NO 8 ACCESSORY DRIVE		BAYH	BAA	SAAAAAAAAA
52G	NO 8 ACCESSORY DRIVE		BAYH	FAW	SAAAAAAAAA
52	HOUSING ASSY NO 8	23CAA	BAYHA	BAYH	A
52	BEARING ACCESSORY DRIVE	23CAB	BAYHB	BAYH	A
52	COUPLING ACCESSORY DRIVE	23CAC	BAYHC	BAYH	A
52	SHAFTGEAR ASSY MAIN DRIVE	23CAD	BAYHD	BAYH	A
52	GEAR ACCESSORY DRIVE	23CAE	BAYHE	BAYH	A
52	BREATHER ASSY ACCESS DRIVE	23CAF	BAYHF	BAYH	1
52	ADAPTER ASSY ACCESS DRIVE	23CCA	BAYHK	BAYH	A
52	SHAFT ACCESS DRIVE	23CCB	BAYHL	BAYH	A
52	GEAR ACCESS DRIVE	23CCD	BAYHM	BAYH	A
52	BEARING ACCESS DRIVE	23CCE	BAYHN	BAYH	A
52	COUPLING ASSY DR EXT SHAFT	23CDA	BAYHP	BAYH	A
52	BEARING ACCESS DR SHAFT	23CDB	BAYHQ	BAYH	A
52	GEAR ACCESS DRIVE	23CDC	BAYHR	BAYH	A
52	SUPPORT ASSY ACCESS DR BRG	23CDD	BAYHS	BAYH	A
52	SHAFT ASSY ACCESS DR EXT	23CDE	BAYHT	BAYH	A
52	TUBE ASSY ACCESS DR SHAFT	23CDF	BAYHU	BAYH	1

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52G	CONNECTOR OIL PRES HOSE	23CUG	BAYHV	BAYH	1	
52	HOUSING ACCESS DR BEARING	23DRA	BAYHW	BAYH	4	
52	GEARSHAFT ASSY MAIN ACC DR	23DPE	BAYHA	BAYH	4	
52	BEARING ACCESSORY DRIVE	23LRC	BAYHY	BAYH	4	
52	SUPPORT ASSY FRNT ACC DR	23ABD	BAYHZ	BAYH	4	
52	BEARING FRONT DRIVE	23ABE	BAYHZA	BAYH	4	
52	SHAFT ACCESS DRIVE MAIN	23ABF	BAYHZB	BAYH	4	
52	SUPPORT ASSY FRNT ACC DR	23ABL	BAYHZA	BAYH	4	
52G	ATTEN -WATER INJECTION		BAZ	BA		010000000
52	NO 2 NACELLE		BR	B	9 888	09AAAAA90
52	NO 2 NACELLE		BR	B		010000000
52	SINGLE ENGINE OUT		BBB	BBB		010000000
52	NO 3 NACELLE		BC	B		010000000
52	NO 3 NACELLE		BC	B	9 888	09AAAAA90
52	NO 4 NACELLE		BD	B	9 888	09AAAAA90
52	NO 4 NACELLE		BD	B		010000000
52	NO 1 NACELLE FUEL		BFA	BA		0AAAAAA90
52	MANIFOLD ASSY FUEL RIGHT	23FAA	BFAA	BFA	1	
52	MANIFOLD ASSY FUEL LEFT	23FAB	BFAB	BFA	1	
52	VALVE FIREWALL SHUTOFF	4246AAG	BFAA	BFA	4	
52	ACTUATOR FIREWALL SHUTOFF	46AAH	BFAH	BFA	4	
52	COUPLING FUEL LINE	46AAZ	BFAZ	BFA	1	
52	LEVER THROTTLE	23NQA	BFAF	BFA	1	
52	STOP THROTTLE	23NQB	BFAQ	BFA	1	
52	CRUM THROTTLE CABLE	23NQC	BFAH	BFA	1	
52	CABLE THROTTLE	23NQE	BFAK	BFA	1	
52	PULLEY THROTTLE CONTROL	23NQF	BFAI	BFA	1	
52	REGULATOR THROTTLE TENSION	23NQH	BFAH	BFA	1	
52	SWITCH ENG FUEL SHUTOFF SW	49FBA	BFAH	BFA	1	
52	PRIMARY FUEL		BFB	BFB		011111110
52	NO 1 MAIN XFER AND SUPPLY		BFC	BFB		000010110
52	NO 1 MAIN XFER AND SUPPLY		BFC	BFB	K BFE	0AAAAA900
52	TANK MAIN WING INTEGRAL	46FAA	BFCB	BFC	1	
52	PUMP BOOST 34C	46FAA	BFCB	BFC	2	
52	ACTUATOR BOOST PUMP 34C	46FAA	BFCB	BFC	2	
52	RELAY BOOST PUMP 34C	46FAA	BFCB	BFC	2	
52	VALVE INWARD VENT FLOAT	46FAA	BFCB	BFC	1	
52	TUBE TANK VENT	46FAT	BFCB	BFC	1	
52	VALVE TK VENT DRAIN FLOAT	46FAU	BFCB	BFC	1	
52	VALVE AIR BLEED FLOAT	46FAV	BFCB	BFC	1	
52	VALVE FUEL LEVEL CONT	1946FCC	BFCJ	BFC	0	
52	SW PRESSURE GND CHECK	46AAN	BFCB	BFC	0	
52	FUEL MANAGEMENT		BFD	BFC		AAAAA9999
52	FUEL FLED		BFDA	BFD		AAAAA9999
52	SW FUEL NO 1	46AAB	BFDA	BFD	4	
52	FUEL STATUS		BFD	BFD		111111111
52	INDICATOR FUEL QTY	51FAA	BFD	BFD	1	
52	PROBE FUEL QTY	51FAF	BFD	BFD	1	
52	COMPENSATOR FUEL INDICATOR	51BAH	BFD	BFD	1	
52	FUEL XFER		BFD	BFD		AAAAA9999
52	SW FUEL MANAGEMENT	19 46ABK	BFD	BFD	4	
52	AUXILLIARY XFER AND SUPPLY		BFE	BFB	BFC	011101000
52	AUXILLIARY XFER AND SUPPLY		BFE	BFB	K BFC	000009999

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FLIGHT SAFETY PREDICTION TECHNIQUE

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52	VALVE AUX FEED I 13	46ABH	BFFA	BFF	A	
52	CROSS-FEED		BFF	BFA	K BFB	000000000
52	NO 2 MAIN SUPPLY AVAILABLE		BFFA	BFFAD		111111111
52	VALVE SHUTOFF XFEED I 10	46AAP	BFFAA	BFFA	A	
52	VALVE ENG XFEED MANIFOLD	46AAV	BFFAB	BFFA	A	
52	ACTUATOR ENG XFEED VALVE	46AAW	BFFAC	BFFA	A	
52	CROSS-FEED ATTEN		BFFAD	BFF		111111111
52	NO 3 MAIN SUPPLY AVAILABLE		BFFB	BFFAD		111111111
52	VALVE SHUTOFF XFEED I 11	46AAP	BFFBA	BFFB	A	
52	VALVE ENG XFEED MANIFOLD	46AAV	BFFBB	BFFB	A	
52	ACTUATOR ENG XFEED VALVE	46AAW	BFFBC	BFFB	A	
52	NO 4 MAIN SUPPLY AVAILABLE		BFFC	BFFAD		111111111
52	VALVE SHUTOFF XFEED I 12	46AAP	BFFCA	BFFC	A	
52	VALVE ENG XFEED MANIFOLD	46AAV	BFFCB	BFFC	A	
52	ACTUATOR ENG XFEED VALVE	46AAW	BFFCC	BFFC	A	
52	VALVE SHUTOFF XFEED I 9	46AAP	BFFX	BFF	A	
52	VALVE ENG XFEED MANIFOLD	46AAV	BFFY	BFF	A	
52	ACTUATOR ENG XFEED VALVE	46AAW	BFFZ	BFF	A	
52	NO 2 NACELLE FUEL		BFG	BH		000000000
52	MANIFOLD ASSY FUEL RIGHT	23HAA	BFGA	BFG	1	
52	MANIFOLD ASSY FUEL LEFT	23HAB	BFGB	BFG	1	
52	VALVE FIREWALL SHUTOFF	42<46AAG	BFGC	BFG	A	
52	ACTUATOR FIREWALL SHUTOFF	46AAH	BFGD	BFG	A	
52	COUPLING FUEL LINE	46AA7	BFGF	BFG	1	
52	LEVER THROTTLE	23NOA	BFGF	BFG	1	
52	STOP THROTTLE	23NOB	BFGG	BFG	1	
52	CRUM THROTTLE CABLE	23NOO	BFGH	BFG	1	
52	CABLE THROTTLE	23NOE	BFGK	BFG	2	
52	PULLEY THROTTLE CONTROL	23NOF	BFGL	BFG	2	
52	REGULATOR THROTTLE TENSION	23NOH	BFGM	BFG	2	
52	SWITCH ENG FUEL SHUTOFF SW	49BPA	BFGN	BFG	1	
52	PRIMARY FUEL		BFH	BFG	RFM	011111110
52	NO 2 MAIN XFER AND SUPPLY		BFJ	BFH	BFL	011010110
52	NO 2 MAIN XFER AND SUPPLY		BFJ	BFH	K BFL	000000000
52	TANK MAIN WING INTEGRAL	46FAA	BFJA	BFJ		1
52	PUMP BOOST	46AAA	BFJB	BFJ		2
52	ACTUATOR BOOST PUMP	46AAB	BFJC	BFJ		2
52	RELAY BOOST PUMP	46AA2	BFJD	BFJ		2
52	VALVE INWD ACT VENT FLOAT	46DAA	BFJE	BFJ		1
52	TUBE TANK VENT	46DAT	BFJF	BFJ		1
52	VALVE TK VENT DRAIN FLOAT	46DAU	BFJG	BFJ		1
52	VALVE AIR BLEED FLOAT	46DAV	BFJH	BFJ		1
52	VALVE FUEL LEVELL CONT I	2046BCC	BFJJ	BFJ		A
52	SW PRESSURE GND CHECK	46AAN	BFJK	BFJ		0
52	FUEL MANAGEMENT		BFK	BFJ		000000000
52	FUEL FEED		BFKA	BFK		000000000
52	SW FUEL I 2	46AA3	BFKAA	BFKA	A	
52	FUEL STATUS		BFKB	BFK		111111111
52	INDICATOR FUEL QTY	51BAB	BFKBA	BFKB		1
52	PROBE FUEL QTY	51BAF	BFKBB	BFKB		3



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FLIGHT SAFETY PREDICTION TECHNIQUE

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12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 FUEL XFER BFKC BFK AAAAAA
52 SW FUEL MANAGEMENT I 20 46PCN BFKCA BFKC A
52 AUXILIARY XFER AND SUPPLY BFL BFH BFJ 000101000
52 AUXILIARY XFER AND SUPPLY BFL BFH K BFJ 0A0A0A0A0
52 VALVE AUX FEED I 14 46APH BFLA BFL A
52 CROSS-FEED BFM BFG K BFH 0AAAAA0
52 NO 1 MAIN SUPPLY AVAILABLE BFMA BFMA0 11111111
52 VALVE SHUTOFF XFEED I 9 46AAP BFMAA BFMA A
52 VALVE ENG XFEED MANIFOLD 46AAV BFMA0 BFMA A
52 ACTUATOR ENG XFEED VALVE 46AAW BFMAC BFMA A
52 CROSS-FEED ATTN BFMA0 BFM 11111111
52 NO 3 MAIN SUPPLY AVAILABLE BFMB BFMA0 11111111
52 VALVE SHUTOFF XFEED I 11 46AAP BFMB BFMA A
52 VALVE ENG XFEED MANIFOLD 46AAV BFMB BFMA A
52 ACTUATOR ENG XFEED VALVE 46AAW BFMB BFMA A
52 NO 4 MAIN SUPPLY AVAILABLE BFMC BFMA0 11111111
52 VALVE SHUTOFF XFEED I 12 46AAP BFMC BFMA A
52 VALVE ENG XFEED MANIFOLD 46AAV BFMC BFMA A
52 ACTUATOR ENG XFEED VALVE 46AAW BFMC BFMA A
52 VALVE SHUTOFF XFEED I 10 46AAP BFMC BFMA A
52 VALVE ENG XFEED MANIFOLD 46AAV BFMC BFMA A
52 ACTUATOR ENG XFEED VALVE 46AAW BFMC BFMA A
52 NO 3 NACELLE FUEL BFN BFMA 0AAAAA0
52 MANIFOLD ASSY FUEL RIGHT 23FAA BFN 1
52 MANIFOLD ASSY FUEL LEFT 23HAB BFN 1
52 VALVE FIREWALL SHUTOFF 22<46AAG BFN 1
52 ACTUATOR FIREWALL SHUTOFF 46AAH BFN 1
52 COUPLING FUEL LINE 46AAZ BFN 1
52 LEVER THROTTLE 23NQA BFN 1
52 STOP THROTTLE 23NQB BFN 1
52 DRUM THROTTLE CABLE 23NQC BFN 1
52 CABLE THROTTLE 23NQE BFN 2
52 PULLEY THROTTLE CONTROL 23NQF BFN 2
52 REGULATOR THROTTLE TENSION 23NOH BFN 2
52 SWITCH ENG FUEL SHUTOFF SW 49EEA BFN 1
52 PRIMARY FUEL BFN BFT 011111110
52 NO 3 MAIN XFER AND SUPPLY BFP BFS 011010110
52 NO 3 MAIN XFER AND SUPPLY BFP K BFS 000A0A000
52 TANK MAIN WING INTEGRAL 46FAA BFQA BFQ 1
52 PUMP BOOST 24< 46AAA BFQB BFQ 2
52 ACTUATOR BOOST PUMP 24< 46AAB BFQC BFQ 2
52 RELAY BOOST PUMP 24< 46AA2 BFQD BFQ 2
52 VALVE INWD ACT VENT FLOAT 46DAA BFQE BFQ 1
52 TUBE TANK VENT 46DAT BFQF BFQ 1
52 VALVE TK VENT DRAIN FLOAT 46DAU BFQG BFQ 1
52 VALVE AIR BLEED FLOAT 46EAV BFQH BFQ 1
52 SW PRESSURE GND CHECK 46AAN BFQJ BFQ 0
52 VALVE FUEL LEVEL CONT I 2146FCC BFQK BFQ A
52 FUEL MANAGEMENT BFR BFQ AAAAAA
52 FUEL FEED BFRA BFR AAAAAA

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# FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111112222222222233333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 SW FUEL 1 3 46AA3 BF9AA BF9A A
52 FUEL STATUS BF9R 111111111
52 INDICATOR FUEL QTY 51EAB BF9A BF9B 1
52 PROBE FUEL QTY *3< 51EAT BF9BB BF9B 1
52 FUEL XFER BF9C AAAAAAATA
52 SW FUEL MANAGEMENT 46AAK BFPCA BF9C A
52 AUXILIARY XFER AND SUPPLY BFS BFP BFQ 000101000
52 AUXILIARY XFER AND SUPPLY BFS BFP K BFQ 0AACAQAA0
52 VALVE AUX FEED 1 15 46AAH BFSA BFS A
52 CROSS-FEED BFT BFN K BFP 0AAAAAAA0
52 NO 1 MAIN SUPPLY AVAILABLE BFTA BFTAD 111111111
52 VALVE SHUTOFF XFEED 19 46AAP BFTAA BFTA A
52 VALVE ENG XFEED MANIFOLD 46AAV BFTAB BFTA A
52 ACTUATOR ENG XFEED VALVE 46AAW BFTAC BFTA A
52 CROSS-FEED ATTEN BFTAD BFT 111111111
52 NO 2 MAIN SUPPLY AVAILABLE BFTB BFTAD 111111111
52 VALVE SHUTOFF XFEED 1 70 46AAP BFTBA BFTB A
52 VALVE ENG XFEED MANIFOLD 46AAV BFTBB BFTB A
52 ACTUATOR ENG XFEED VALVE 46AAW BFTBC BFTB A
52 NO 4 MAIN SUPPLY AVAILABLE BFTC BFTAD 111111111
52 VALVE SHUTOFF XFEED 112 46AAP BFTCA BFTC A
52 VALVE ENG XFEED MANIFOLD 46AAV BFTCB BFTC A
52 ACTUATOR ENG XFEED VALVE 46AAW BFTCC BFTC A
52 VALVE SHUTOFF XFEED 1 77 46AAP BFTX BFT A
52 VALVE ENG XFEED MANIFOLD 46AAV BFTY BFT A
52 ACTUATOR ENG XFEED VALVE 46AAW BFTZ BFT A
52 NO 4 NACELLE FUEL BFU BD 0A4444AA0
52 MANIFOLD ASSY FUEL RIGHT 23FAA BFUA BFU 1
52 MANIFOLD ASSY FUEL LEFT 23HAB BFUB BFU 1
52 VALVE FIREWALL SHUTOFF *2<46AA6 BFUC BFU A
52 ACTUATOR FIREWALL SHUTOFF 46AAH BFUD BFU A
52 COUPLING FUEL LINE 46AAZ BFUE BFU 1
52 LEVER THROTTLE 23NQA BFUF BFU 1
52 STOP THROTTLE 23NQB BFUG BFU 1
52 DRUM THROTTLE CABLE 23NQC BFUH BFU 1
52 CABLE THROTTLE 23NQE BFUK BFU 2
52 PULLEY THROTTLE CONTROL 23NOF BFUL BFU 2
52 REGULATOR THROTTLE TENSION 23NOH BFUM BFU 2
52 SWITCH ENG FUEL SHUTOFF SW 49BBA BFUN BFU 1
52 PRIMARY FUEL BFV BFZ 011111110
52 NO 4 MAIN XFER AND SUPPLY BFV BFY 000101010
52 NO 4 MAIN XFER AND SUPPLY BFV K BFY 0AACAQAA0
52 TANK MAIN WING INTEGRAL 46FAA BFWA BFW 1
52 PUMP BOOST *4< 46AAA BFWB BFW 2
52 VALVE INW ACT VENT FLOAT 46FAA BFWC BFW 2
52 TUBE TANK VENT 46FAT BFWD BFW 2
52 VALVE TK VENT DRAIN FLOAT 46DAU BFEW BFW 1
52 VALVE AIR BLEED FLOAT 46FAV BFWF BFW 1
52 VALVE FUEL LEVEL CGNT 122 46BCC BFWG BFW 5
52 SW PRESSURE GND CHECK 46AAN BFWH BFW 0

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222223333333333444444445555555566666666777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 ACTUATOR BOOST PUMP #4< 46AA8 BFWJ BFW 2
52 RELAY BOOST PUMP #4< 46AA2 BFWK BFW 2
52 FUEL MANAGEMENT BFX BFW AAAAAAAA
52 FUEL FEED BFXA BFX AAAAAAAA
52 SW FUEL NO 4 46AA3 BFXAA BFXA A
52 FUEL STATUS BFXB BFX 11111111
52 INDICATOR FUEL QTY 51BA8 BFXBA BFXB 1
52 PROBE FUEL QTY #6< 51C7F BFXBB BFXB 1
52 COMPENSATOR FUEL INDICATOR 51BAH BFXBC BFXB 1
52 FUEL XFER BFXC BFX AAAAAAAA
52 SW FUEL MANAGEMENT I 22 46PCN BFXCA BFXC A
52 MAIN BOOST PWR ATTENUATION BFXD BFX 11111111
52 MAIN BOOST PWR ATTENUATION BFXE BFX F11111111
52 MAIN BOOST PWR ATTENUATION BFXF BFX F11111111
52 MAIN BOOST PWR ATTENUATION BFXG BFX F11111111
52 AUXILLIARY XFER AND SUPPLY BFXH BFW 011101000
52 AUXILLIARY XFER AND SUPPLY BFXI K BFW 0000A0A00
52 CROSS-FEED BFXJ K BFW 0A0000000
52 NO 1 MAIN SUPPLY AVAILABLE BFXK BFXAD 11111111
52 VALVE SHUTOFF XFEED I 9 46AAP BFXLA BFXA A
52 VALVE ENG XFEED MANIFOLD 46AAV BFXLB BFXA A
52 ACTUATOR ENG XFEED VALVE 46AAW BFXLC BFXA A
52 CROSS-FEED ATTN BFXLD BFX 11111111
52 NO 2 MAIN SUPPLY AVAILABLE BFXLE BFXAD 11111111
52 VALVE SHUTOFF XFEED I 10 46AAP BFXLF BFXB A
52 VALVE ENG XFEED MANIFOLD 46AAV BFXLG BFXB A
52 ACTUATOR ENG XFEED VALVE 46AAW BFXLH BFXB A
52 NO 3 MAIN SUPPLY AVAILABLE BFXLI BFXAD 11111111
52 VALVE SHUTOFF XFEED I 11 46AAP BFXLJ BFXC A
52 VALVE ENG XFEED MANIFOLD 46AAV BFXLK BFXC A
52 ACTUATOR ENG XFEED VALVE 46AAW BFXLL BFXC A
52 VALVE SHUTOFF XFEED I 12 46AAP BFXLM BFXZ A
52 VALVE ENG XFEED MANIFOLD 46AAV BFXLN BFXZ A
52 ACTUATOR ENG XFEED VALVE 46AAW BFXLO BFXZ A
52 LEFT AUX XFER AND SUPPLY BFXLP BSE 11111111
52 LEFT AUX XFER AND SUPPLY BFXLQ BSL 11111111
52 LEFT AUX XFER AND SUPPLY BFXLR BSL 11111111
52 FLASHER FUEL FLOW 46APL BFLAX BFLA 1
52 LEFT EXT TANK SUPPLY BFLB BFLA 000001000
52 TANK LXT FUEL 46FEA BFLBA BFLB 1
52 PUMP BOOST 46APA BFLBB BFLB A
52 ACTUATOR BOOST PUMP 46APB BFLBC BFLB A
52 RELAY PUMP AND LEVEL CONT 46APJ BFLBD BFLB A
52 SW BOOST PUMP PRES CHECK 46APM BFLBE BFLB 0
52 VALVE B-PUMP PRES CHK SOL 46APN BFLBF BFLB 0
52 VALVE BOOST PUMP PRES CHK 46APB BFLBH BFLB 0
52 VALVE FUEL LEVEL CONT I 17 46BCC BFLBJ BFLB A
52 FUEL MANAGEMENT BFLC BFLB AAAAAAAA
52 FUEL FEED BFLCA BFLC AAAAAAAA
52 SW FUEL MANAGEMENT I 17 46BCN BFLCAA BFLCA A

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# FLIGHT SAFETY PREDICTION TECHNIQUE

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52	FUEL STATUS		BLCB	BLC	11111111
52	INDICATOR FUEL QTY	51BAF	BLCBA	BLCB	1
52	INDICATOR FUEL FLOW	46BCP	BLCBB	BLCB	1
52	PROBE FUEL QTY %3<	51BAF	BLCBC	BLCB	3
52	FUEL XFER		BLCC	BLC	AAAAAAAA
52	SW FUEL MANAGEMENT   17	46BCN	BLCCA	BLCC	A
52	LEFT OUTBOARD TANK SUPPLY		BLD	BLA	000002000
52	TANK OUTBRD WING INTEGRAL	46FBA	BLDA	BLD	1
52	PUMP BOOST #2<	46ABA	BLDB	BLD	5
52	ACTUATOR BOOST PUMP #2<	46ABF	BLDC	BLD	5
52	RELAY BOOST PUMP CONTROL	46ABJ	BLDD	BLD	5
52	SW BOOST PUMP PRES CHECK	46AFM	BLDE	BLD	0
52	VALVE B-PUMP PRES CHECK	46ABP	BLDF	BLD	0
52	VALVE FUEL LEVEL CONT   18	46BCC	BLDG	BLD	5
52	VALVE INWD ACT VENT FLOAT	46DBA	BLDH	BLD	1
52	SCOOP RAM AIR	46DBR	BLDJ	BLD	0
52	TANK WING SURGE	46DBS	BLDK	BLD	1
52	VALVE TANK VENT FLOAT	46DBV	BLDL	BLD	1
52	VALVE TANK AIR BLEED FLOAT	46DBW	BLDM	BLD	1
52	VALVE NEG PRES RELIEF	46DBY	BLDN	BLD	1
52	FUEL MANAGEMENT		BLE	BLD	AAAAAAAA
52	FUEL FEED		BLEA	BLE	AAAAAAAA
52	SW FUEL MANAGEMENT   18	46BCN	BLEAA	BLEA	A
52	FUEL STATUS		BLEB	BLE	11111111
52	INDICATOR FUEL QTY	51BAF	BLEBA	BLEB	1
52	INDICATOR FUEL FLOW	46BCP	BLEBB	BLEB	1
52	PROBE FUEL QTY %6<	51BAF	BLERC	BLEB	1
52	COMPENSATOR FUEL INDICATOR	51BAH	BLEBD	BLEB	1
52	FUEL XFER		BLEC	BLE	AAAAAAAA
52	SW FUEL MANAGEMENT   18	46BCN	BLECA	BLEC	A
52	AFT BODY TANK SUPPLY		BLF	BLA	077700000
52	CELL BODY TANK	46FDA	BLFA	BLF	1
52	PUMP BOOST #3<	46ABA	BLFB	BLF	3
52	ACTUATOR BOOST PUMP #3<	46ABF	BLFC	BLF	3
52	RELAY BOOST PUMP CONTROL	46ABJ	BLFD	BLF	3
52	SW BOOST PUMP PRES CHECK	46AFM	BLFE	BLF	0
52	VALVE BOOST PUMP PRES CHK	46ABN	BLFF	BLF	0
52	VALVE BOOST PUMP CHECKOUT	46ABP	BLFG	BLF	0
52	VALVE FUEL LEVEL CONT   28	46BBC	BLFH	BLF	5
52	VALVE INWD ACT FLOAT VENT	46DDA	BLFJ	BLF	1
52	MANIFOLD VENT	46DDJ	BLFK	BLF	1
52	TANK SURGE	46DDK	BLFL	BLF	1
52	RELAY REFUEL CHECKOUT	46BBU	BLFN	BLF	0
52	FUEL MANAGEMENT		BLG	RLF	AAAAAAAA
52	FUEL FEED		BLGA	BLG	AAAAAAAA
52	SW FUEL MANAGEMENT   28	46BBR	BLGAA	BLGA	A
52	FUEL STATUS		BLGB	BLG	11111111
52	INDICATOR FUEL QTY	51BAR	BLGBA	BLGB	1
52	INDICATOR FUEL FLOW	46BRT	BLGBB	BLGB	1
52	INDICATOR REFUEL VALVE POS	46BBS	BLGBC	BLGB	1



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## FLIGHT SAFETY PREDICTION TECHNIQUE

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52	PROBE FUEL QTY 33C	51BAF	BLGBD	BLGB	1
52	FUEL XFER		BLGC	BLG	AAAAAAAAA
52	SW FUEL MANAGEMENT 1 23	46BFR	BLGCA	BLGC	A
52	FUEL STATUS PWR ATTN		BLXX	BFDB	FAAAAAAAAAA
52	FUEL STATUS PWR ATTN		BLXX	BFKB	FAAAAAAAAAA
52	FUEL STATUS PWR ATTN		BLXX	BFRR	FAAAAAAAAAA
52	FUEL STATUS PWR ATTN		BLXX	BFXB	FAAAAAAAAAA
52	FUEL STATUS PWR ATTN		BLXX	BLA	077712000
52	FUEL QUAN TOTALIZER IND	51BAA	BQTA	BLCB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTB	BLEB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTC	BLGB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTD	BFDB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTE	BFKB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTF	BFRR	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTG	BFXB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTH	BRCB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTI	BREB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTK	BRGB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTL	BRJB	1
52	FUEL QUAN TOTALIZER IND	51BAA	BQTM	BRLB	1
52	AIR REFUEL		BQV	BQVAAA	000001000
52	AIR RECEPTACLE SYSTEM		BQVA	BQV	AAAAAAAAA
52	AIR RECEPTACLE ASSY	46GAA	BQVAA	BQVA	A
52	AIR REFUEL ATTN		BQVAAA	B	111111111
52	VALVE SLIDING	46GAB	BQVAB	BQVA	A
52	SEAL SLIDING VALVE	46GAC	BQVAC	BQVA	A
52	VALVE ACTUATOR	46GAD	BQVAD	BQVA	A
52	COIL INDUCTION	46GAH	BQVAE	BQVA	A
52	SLIPWAY DOOR SYSTEM		BQVB	BQV	AAAAAAAAA
52	DOOR ASSY	46GBA	BQVBA	BQVB	A
52	LINKAGE DOOR ACTUATING	46GBD	BQVBB	BQVB	A
52	LINE SLIPWAY DRAIN	46GBK	BQVBD	BQVB	A
52	AIR REFUEL HYDRAULIC SYSTEM		BQVC	BQV	AAAAAAAAA
52	ACTUATOR SLIPWAY DOOR	46GCA	BQVCA	BQVC	A
52	VALVE DOOR NORM CONTROL	46GCB	BQVCB	BQVC	5
52	VALVE DOOR ALT CONTROL	46GCC	BQVCC	BQVC	5
52	FUSE HYDRAULIC	46GCD	BQVCD	BQVC	A
52	ACTUATOR RECEPTACLE TOGGLE	46GCE	BQVCE	BQVC	1
52	VALVE TOGGLE CONTROL	46GCF	BQVCF	BQVC	A
52	VALVE TOGGLE SHUTTLE	46GCG	BQVCG	BQVC	A
52	VALVE DUAL SHUTTLE	46GCH	BQVCH	BQVC	A
52	ACCUMULATOR HYDRAULICS	46GCJ	BQVCJ	BQVC	A
52	MANIFOLD SYSTEM		BQVD	BQV	AAAAAAAAA
52	RECEPTACLE SINGLE POINT	46BAB	BQVDA	BQVD	1
52	VALVE MAIN REFUEL SHUTOFF	46BAC	BQVDB	BQVD	A
52	ACTUATOR M SHUTOFF VALVE	46BAD	BQVDC	BQVD	A
52	FUEL MANAGEMENT -AIR REFUEL		BQVE	BQV	AAAAAAAAA
52	AIR REFUEL ELECTRICAL	46GDO	BQVEA	BQVE	8
52	AMPLIFIER SIGNAL	46GDA	BQVEB	BQVE	1
52	REFUEL PANEL INSTALLATION	46PEO	BQVEC	BQVE	8



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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000111111111222222223333333344444444555555556666666677777777
1234567890123456789012345678901234567890123456789012345678901234567890
52 PANEL REFUEL 46FEA BQVED BQVE 0
52 SW MASTER REFUEL 46FEB BQVEE BQVE A
52 FUEL SCAVENGE 46FAA BQX BQVAAA 000001000
52 PUMP SCAVENGE 46FAA BQXA BQX A
52 VALVE CHECK 46FAP BQXB BQX A
52 VALVE SHUTOFF 46EAD BQXC BQX A
52 SWITCH 46EAF BQXD BQX A
52 GROUND REFUEL BQY 000000000
52 VALVE OFFUEL I 30 46FEJ BQYA BQY A
52 VALVE THERMAL VAC AND REL 46FEK BQYB BQY A
52 MISSILE FUEL REPLENISH BQZ AAAAAA
52 VALVE ASM SHUTOFF 46FAX BQZA BQZ A
52 ACTUATOR ASM SHUTOFF VALVE 46FAY BQZB BQZ A
52 MANIFOLD VENT BADM-200 46FEF BQZC BQZ 1
52 FITTING VENT DISCADM-200 46FEB BQZD BQZ 1
52 RIGHT AUX XFER AND SUPPLY BRA BPS BSL 111111111
52 RIGHT AUX XFER AND SUPPLY BRA BPS BSL 111111111
52 RIGHT AUX XFER AND SUPPLY BRA BPS 111111111
52 FLASHER FUEL FLOW 46FEL BRAB BPS 1
52 RIGHT EXT TANK SUPPLY BRB BRB 000001000
52 TANK EXT FUEL 46FEA BRB 1
52 PUMP BOOST 46FEB BRB A
52 ACTUATOR BOOST PUMP 46FEB BRB A
52 RELAY BOOST PUMP CONTROL 46FEJ BRB A
52 SW BOOST PUMP PRES CHECK 46FEL BRB 0
52 VALVE FUEL LEVEL CONT I 24 46FEC BRB A
52 VALVE BOOST PUMP PRES CHK 46FEP BRB 0
52 VALVE B-PUMP PRES CHK SOL 46FEN BRB 0
52 FUEL MANAGEMENT BRB AAAAAA
52 FUEL FEED BRB AAAAAA
52 SW FUEL MANAGEMENT I 24 46FEN BRCA A
52 FUEL STATUS BRCB 111111111
52 INDICATOR FUEL QTY 51FAB BRCHA 1
52 INDICATOR FUEL FLOW 46FEP BRCHB 1
52 PROBE FUEL QTY 330 51FAF BRCHC 1
52 FUEL XFER BRCC AAAAAA
52 SW FUEL MANAGEMENT I 24 46FEN BRCCA A
52 RIGHT OUTBOARD TANK SUPPLY BRD 000002000
52 TANK OUTBOARD WING INTEGRAL 46FEA BRDA 1
52 PUMP BOOST 220 46FAA BRDB 5
52 ACTUATOR BOOST PUMP 220 46FEB BRDC 5
52 RELAY BOOST PUMP CONT 46FEJ BRDD 5
52 VALVE FUEL LEVEL CONT I 23 46FEC BRDE 5
52 VALVE INW ACT VENT FLOAT 46FED BRDF 1
52 SCOP RAM AIR 46FER BRDG 0
52 TANK WIN SURGE 46FES BRDH 1
52 VALVE TK VENT FLOAT 46FEV BRDJ 1
52 VALVE TK AIR BLEED FLOAT 46FEW BRDK 1
52 VALVE NEG PRES RELIEF 46FEY BRDL 1
52 SW BOOST PUMP PRES CHECK 46FEM BRDM 0

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PG 055 JIR1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111111122222222223333333333334444444444555555555566666666667777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 VALVE BOOST PUMP PRES CHK 46ABP BRDQ HRA 0
52 FUEL MANAGEMENT BRE AAAAAAAAAA
52 FUEL FEED BRE AAAAAAAAAA
52 SW FUEL MANAGEMENT I 23 46ECN BREAA BRE A
52 FUEL STATUS BRER BRE 111111111
52 INDICATOR FUEL QTY 51EAB BREBA BREB 1
52 INDICATOR FUEL FLOW 46BCP BREBB BREB 1
52 PROBE FUEL QTY 26C 51EAF BREBC BREB 1
52 COMPENSATOR FUEL INDICATOR 51EAB BREBD BREB 1
52 FUEL XFER BRE C BREB AAAAAAAAAA
52 SW FUEL MANAGEMENT I 23 46ABK BRECA BRE C A
52 CENTER WING TANK SUPPLY BRF BRA 022000000
52 TANK CENTER WING INTEGRAL 46FCA BRFA BRF 1
52 PUMP BOOST 22C 46ABA BRFB BRF 5
52 ACTUATOR BOOST PUMP 46ABR BRFC BRF 5
52 RELAY BOOST PUMP CONT 46ABJ BRFD BRF 5
52 VALVE FUEL LEVEL CONT I 2646FCC BRFE BRF A
52 VALVE B-PUMP PRES CHK SOL 46ABN BRFF BRF 0
52 VALVE B-PUMP PRES CHECKOUT 46ABP BRFG BRF 0
52 SW BOOST PUMP PRES CHECK 46ABM BRFH BRF 0
52 FUEL MANAGEMENT BRG BRA AAAAAAAAAA
52 FUEL FEED BRGA BRG AAAAAAAAAA
52 SW FUEL MANAGEMENT I 26 46ECN BRGAA BRG A
52 FUEL STATUS BRGB BRG 111111111
52 INDICATOR FUEL QTY 51EAB BRGBA BRGB 1
52 INDICATOR FUEL FLOW 46ABT BRGBB BRGB 1
52 PROBE FUEL QTY 22C 51EAF BRGB C BRGB 1
52 FUEL XFER BRGC BRG AAAAAAAAAA
52 SW FUEL MANAGEMENT I 26 46ABK BRGCA BRGC A
52 MID BODY TANK SUPPLY BRH BRA 000400000
52 CELL BODY TANK 46FDA BRHA BRH 1
52 PUMP BOOST 46ABA BRHB BRH 3
52 ACTUATOR BOOST PUMP 46ABR BRHC BRH 3
52 RELAY BOOST PUMP CONT 46ABJ BRHD BRH 3
52 VALVE FUEL LEVEL CONT I 2746BHC BRHE BRH A
52 VALVE INW ACT VENT FLOAT 46DDA BRHF BRH 1
52 MANIFOLD VENT 46DDJ BRHG BRH 1
52 TANK SURGE 46DDK BRHH BRH 1
52 VALVE B-PUMP PRES CK SOL 46ABN BRHJ BRH 0
52 VALVE B-PUMP PRES CHECKOUT 46ABP BRHK BRH 0
52 SW BOOST PUMP PRES CHECK 46ABM BRHL BRH 0
52 RELAY REFUEL CHECKOUT 46BBU BRHN BRH 1
52 FUEL MANAGEMENT BRJ BRH AAAAAAAAAA
52 FUEL FEED BRJA BRJ AAAAAAAAAA
52 SW FUEL MANAGEMENT I 27 46FBR BRJAA BRJ A
52 FUEL STATUS BRJB BRJ 111111111
52 INDICATOR FUEL QTY 51EAF BRJBA BRJB 1
52 INDICATOR FUEL FLOW 46BBT BRJBB BRJB 1
52 INDICATOR REFUEL VALVE POS 46BBS BRJBC BRJB 1
52 PROBE FUEL QTY 23C 51EAF BRJBD BRJB 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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PGMTVS.JIRI DATE = 10/16/75

# FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52G LIGHT MASTER CAUTION 49EED BWDA BWD 1
52H INDICATOR MASTER CAUTION 49LEJ BWDB BWD 1
52G FUEL IN MAIN MANIFOLD BWE BQX 111111111
52G LIGHT MASTER CAUTION 49EED BWLA HWE 1
52H INDICATOR MASTER CAUTION 49LEJ BWEB BWE 1
52 COMM/NAV/IDENT C AAAAAAAAAA
52 COMMUNICATION CA C E 011111120
52 AIR TO GND/AIR COMM. CAA CA 111111111
52 INTERNAL CREW COMM. CAB CA 000000000
52 STATION TO STATION COMM. CAC CAB FAAAAAAAAAA
52 STATION TO STATION COMM. CAC CAZZ AAAAAAAAAA
52G PANEL C-823%K,CONTROL 2EA 64AAA CACAA CAC 0
52G PANEL C-824%K,CONTROL 9EA 64AAB CACAB CAC 1
52G AUDIO AMPLIFIER AM4701 11EA64AAD CACAD CAC 1
52G PANEL C-826,CONTROL 3EA 64AAE CACAE CAC 1
52G SWITCH,CONTROL WHEEL 2EA 64AAF CACAF CAC 1
52G FOOT SWITCH,MICROPHONE 4EA 64AAG CACAG CAC 0
52G RECEPTICAL GROUND INTER. 64AAM CACAM CAC 0
52G JUNCTION BOX 64AAN CACAN CAC 1
52G GROUND CORD 64AAR CACAR CAC 0
52H PANEL,CONTROL C-2105 2EA 64BAA CACBA CAC 0
52H PANEL,CONTROL C-2106 10EA 64BAB CACBB CAC 1
52H AMP. ASSY,AM-1964*HEAD<12EA64BAC CACBC CAC 1
52H AMP. ASSY,AM-1965*MICR<12EA64BAL CACBD CAC 1
52H PANEL,CONTROL C-2323 9EA 64BAE CACBE CAC 1
52H SWITCH,CONTROL WHEEL 2EA 64BAF CACBF CAC 1
52H FOOT SWITCH,MICROPHONE 4EA 64BAG CACBG CAC 0
52H JUNCTION BOX 64BAJ CACBJ CAC 1
52H GROUND CORD 64BAM CACBM CAC 0
52 H.F. COMM. XARC-58C CAH CAZZ 111111111
52 H.F. TRANSMIT CAH CAH 222222222
52 T-ANSMETTE-,T-605 61BRU CAHAA CAHA A
52 MOUNT TRANSMITTER 61BBV CAHAB CAHA 0
52 COOLER,ELECTRONIC EQUIP 61BB3 CAHAC CAHA A
52 H.F. RECEIVE CAHB CAH 888888888
52 RECEIVER,R-3C 61BPA CAHBA CAHR A
52 RECEIVER,SUB. MAIN CHASSIS 61BBR CAHBB CAHB A
52 RECEIVER SUB. FRONT PANEL 61BBS CAHBC CAHR 3
52 PRESSURIZATION CAHC CAHA AAAAAAAAAA
52 COMPRESSOR,AIR RGB 61BCE 61BCA CAHCA CAHC A
52 COMPRESSOR,AIR CORNL 61BCA 61BCB CAHCB CAHC A
52 MOUNTING BASE AIR COMPRESS 61BCC CAHCC CAHC 1
52 BLOWER,GROUND COOLING 61BCF CAHCF CAHC 0
52 SCOOP,RAM AIR 61BCH CAHCH CAHC 1
52 ANTENA,ARC-58 FIN TIP 61BAE CAHFA CAH 1
52 COUPLER,ANTENNA 61BAF CAHFB CAH A
52 MOUNT,ANTENA COUPLER 61BAG CAHFC CAH 1
52 CONTROL,ANTENA COUPLER 61BAJ CAHFD CAH A
52 AMPLIFIER,ELECTRONIC CONTR 61BAK CAHFE CAH A
52 RELAY ASSEMBLY 61BAL CAHFF CAH A

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PGS 195, J1R1 DATE = 10/16/75

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000000001111111122222222223333333333334444444444555555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 ANTENA COUPLER CONTR SUB 61BAM CAHFG CAH A
52 MOUNT, ANTENNA COUP CONTR 61PAN CAHFH CAH 1
52 ANTENA LONG WIRE 9961X CAHFJ CAH 1
52 AMPLIFIER, AM-1522/URC 61BRC CAHGA CAH A
52 AMPLIFIER, AM-1523/URC 61BBD CAHGB CAH A
52 AMPLIFIER, AM-1524/URC 61BBE CAHGC CAH A
52 AMPLIFIER, AM-1526/URC 61BBF CAHGD CAH A
52 AMPLIFIER, AM-1527/URC 61BBG CAHGE CAH A
52 AMPLIFIER, AM-1528/URC 61BBH CAHGF CAH A
52 AMPLIFIER, AM-1529/URC 61BBJ CAHGG CAH A
52 AMPLIFIER, AM-1579/URC 61BRK CAHGH CAH A
52 MIXER-OSCILLATOR, CV-465 61BBL CAHGJ CAH A
52 FREQUENCY DIVIDER CV-465 61BBM CAH GK CAH A
52 MODULATOR, MD-286 61BBN CAHGL CAH A
52 POWER SUPPLY-PP-1574 61BFP CAHGM CAH A
52 GENERATOR SG&179 REF SIGNAL 61BBD CAHGN CAH A
52 AMPLIFIER, AM-1734/URC 61BBI CAHGP CAH A
52 AMPLIFIER, AM-1525/URC 61BBW CAHGQ CAH A
52 AMPLIFIER, RF 61BLY CAHGR CAH A
52 TERMINAL BLOCK 61BRZ CAHGS CAH 1
52 JUNCTION BOX 61BDA CAHGT CAH 1
52 CONTROL, C-1939 61BEA CAHGU CAH A
52 U.H.F. COMMUNICATIONS CAU CAZZ 111111111
52 COMMAND RX/TX *ARC-34< CAUA CAU CAUB 111111111
52 RECEIVER-TRANSMIT. INSTALL. 63EAC CAUAA CAUA A
52 CONTROL, RADIO SET G&1057< 63EPA CAUAB CAUA A
52 DYNAMOTOR, DY-103 63FCA CAUAC CAUA A
52 POWER SUPPLY, PP-3086 63ECB CAUAD CAUA A
52 POWER SUPPLY, PP-1990 63ECC CAUAE CAUA A
52 ANTENNA 63EDA CAUAF CAUA A
52 FILTER 63BDB CAUAG CAUA 4
52 AUX. COMMAND RX/TX *ARC-34< CAUB K CAUA AAAAAAAAA
52 RECEIVER-TRANSMIT. INSTALL. 63CAC CAUBA CAUB A
52 CONTROL, RADIO SET C-1057 63CBA CAUBB CAUB A
52 DYNAMOTOR, DY-103 63CCA CAUBC CAUB A
52 POWER SUPPLY, PP-3086 63CCB CAUBD CAUB A
52 POWER SUPPLY PP-1990 63CCC CAUBE CAUB A
52 ANTENNA 63CDA CAUBF CAUB A
52 FILTER 63CDB CAUBG CAUB 4
52 V.H.F. COMMUNICATIONS CAV CAZZ 111111111
52 V.H.F. RECEIVE CAV 222222222
52 -RECEIVER, ARN-14 71AAA CAVAA CAVA A
52 MOUNT, ARN-14 RECEIVER 71AAB CAVAB CAVA 0
52 DYNAMOTOR 71AAC CAVAC CAVA A
52 ANTENNA 71AAD CAVAD CAVA A
52 PANEL, CONTROL 71AAG CAVAG CAVA A
52 POWER SUPPLY 71AAH CAVAH CAVA A
52 REDUNDANCY ATTENUATION CAZ CAA 111111111
52 NAVIGATION CB C 001222240
52 STEERING SOLUTIONS CBA CB 008888800

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PROGRAM JIR1 DATE = 10/16/75

# FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111122222222233333333344444444455555555566666666677777777777			
1234567890123456789012345678901234567890123456789012345678901234567890			
52 HEAD RECKONING	CHB	CH	K CBA 00AAAAAA0
52 HEADING	CHBA	CHB	AAAAAAA
52 COMPASS, MAGNETIC STRY 51ADA	CHBAA	CHBA	1
52 LINE	CHBB	CHB	000000000
52 CLOCK BEACH 51AEA	CHBBA	CHBB	1
52 PRESENT POSITION	CHBC	CHB	000111000
52 SEXTANT, PERISCOPIC 51AKA	CHBCA	CHBC	4
52 MURBLE UNIT 51AKC	CHBCC	CHBC	5
52 AVERAGER ASSEMBLY 51AKD	CHBCD	CHBC	5
52 SHUTTER ASSY, SEXTANT MOUNT 51AKE	CHBCE	CHBC	A
52 RECEPTICAL ASSY, SEXT. MOUNT 51AKE	CHBCE	CHBC	5
52 ENROUTE DISPLAYS	CHC	CHA	001111100
52 HEADING INFORMATION	CHD	CHDX	222222222
52 HSI	CHDA	CHD	111111111
52 INDICATOR, HORIZ. SITUA. 2EA 71AFJ	CHDAA	CHDA	1
52 RADAR	CHDB	CHD	111111111
52 INDICATOR AZIMUTH AND RANGE 73CJP	CHDBB	CHDB	1
52 COMPARITOR, TOPOGRAPHICAL 73CJA	CHDBC	CHDB	1
52 GYRO	CHDC	CHD	111111111
52 INDICATOR DIREC. GYRO 51AMB	CHDCA	CHDC	A
52 ADAPTER POWER 51AMD	CHDCB	CHDC	A
52 MAG STBY COMPASS	CHDD	CHD	111111111
52 COMPASS, MAGNETIC STANDBY 51ALA	CHDDA	CHDD	4
52 COMPASS	CHDE	CHD	111111111
52 INDICATOR MASTER 73FAG	CHDEA	CHDE	A
52 PRECISE TRUE HEADING	CHDEF	CHD	111111111
52 INDICATOR TRUE HEADING 73FBF	CHDEA	CHDF	A
52 INDICATOR PRECISE 73FCS	CHDEFB	CHDF	A
52 HNS	CHDG	CHD	111111111
52 INDICATOR, BOMBING DATA 73CCF	CHDGA	CHDG	1
52 INDICATOR, FLIGHT COMMAND 73CCK	CHDGP	CHDG	1
52 HEADING ATTENUATION	CHDX	CHC	111111111
52 BEARING INFORMATION	CHF	CHC	222222222
52 HSI	CHLA	CHL	111111111
52 INDICATOR, HORIZ. SITUA. 2EA 71AFJ	CHFAA	CHEA	1
52 RADAR	CHFB	CHE	111111111
52 INDICATOR AZIMUTH AND RANGE 73CJP	CHFBB	CHEB	1
52 COMPARITOR, TOPOGRAPHICAL 73CJA	CHFBC	CHEB	1
52 DRIFT ANGLE	CHF	CHC	000000000
52 INDICATOR, DRIFT ANGLE 73DAF	CHFA	CHF	A
52 RANGE INFORMATION	CHG	CHC	111111111
52 HSI	CHGA	CHG	111111111
52 INDICATOR, HORIZ. SITUA. 2EA 71AFJ	CHGAA	CHGA	1
52 RADAR	CHGB	CHG	111111111
52 INDICATOR AZIMUTH AND RANGE 73CJP	CHGBB	CHGB	1
52 COMPARITOR, TOPOGRAPHICAL 73CJA	CHGBC	CHGB	1
52 INTEGRATED STEERING	CHH	CN	111111111
52 BOMB/NAV COMPUTATION	CHHA	CHH	AAAAAAA
52 BOMB/NAV COMPUTATION	CHBA	CHHP	F888888888
52 BOMB/NAV COMPUTATION	CHBA	CHHC	F222222222



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ARINC RESEARCH CORP ANNAPOLIS MD

F/G 1/2

DEVELOPMENT OF AIR FORCE FLIGHT SAFETY MODELS. VOLUME 10. B-52G--ETC.(U)

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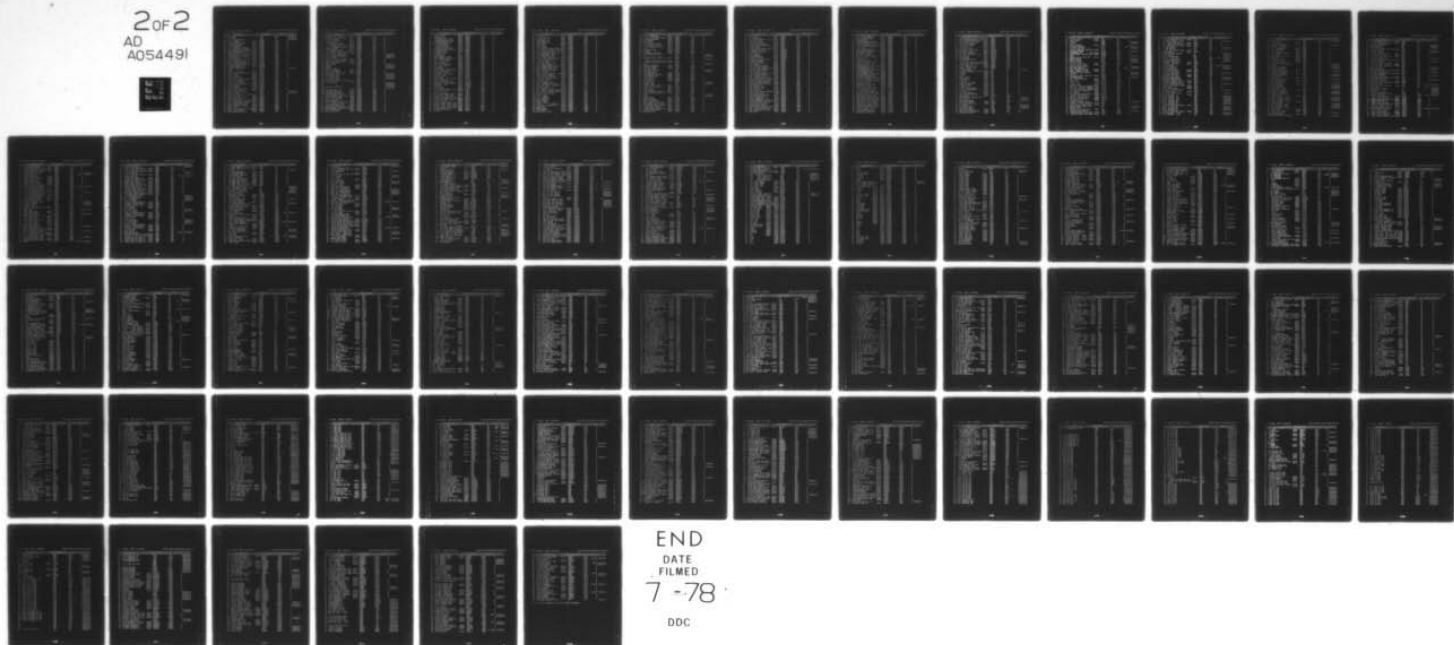
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FLIGHT SAFETY PREDICTION TECHNIQUE

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12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 BNS INPUT CBHA FBSJ FAAAAAAAAA
52 BNS INPUT CBHA FDS FAAAAAAAAA
52 ROM/NAV COMPUTATION CBHA MCF FAAAAAAAAA
52 CONTROL, POWER 73CAA CBHAA CBHA A
52 CONTROL, DATA SETTING 73CAB CBHAB CBHA 9
52 CONTROL, EMERGENCY 73CAC CBHAC CBHA 0
52 CONTROL, BOMBING 73CAD CBHAD CBHA 0
52 POWER SUPPLY, A-C EXCIT. 73CAF CBHAE CBHA A
52 POWER SUPPLY, A-C SIGNAL 73CAF CBHAF CBHA A
52G POWER SUPPLY, COMPUT. 150/300 73CAG CBHAG CBHA 1
52 REGULATOR, VOLTAGE 3EA 73CAH CBHAH CBHA A
52 FRAME, REGULATOR ELEC. UNIT 73CAJ CBHAJ CBHA A
52 AMP., ELEC CONT VOLT REG 3EA 73CAK CBHAK CBHA A
52 PANEL, BOMB SYST CONTROL 73CAM CBHAM CBHA 0
52 CONTROL, CAMERA 73CAN CBHAN CBHA 0
52 PANEL, TEMPERATURE SENSING 73CAP CBHAP CBHA 0
52 CONTROL, EXTERNAL POWER 73CAQ CBHAQ CBHA 0
52H POWER SUPPLY, COMPUTER & 300 73CAK CBHAK CBHA A
52H POWER SUPPLY, COMPUTER & 150 73CAS CBHAS CBHA A
52 AN/AJM-4 MONITOR SET 55CAC CBHAXX CBHA 0
52 AN/AJM-4 MONITOR SET 55CIC CBHAXY CBHA 0
52 COPPLER XAPN-69A< CBHB 22222222
52 ANTENA 73CAA CBHBA CBHB A
52 CONTROL, RADAR SET 73CAC CBHBB CBHB A
52 AMP., ELEC. CONTR. AM246 73CAH CBHBF CBHB A
52 POWER SUPPLY 73CAJ CBHBJ CBHB A
52 AMP., ASSEMBLY 73CAK CBHBK CBHB A
52 AMP., AUDIO FREQ. 73CAL CBHBL CBHB A
52 AMP., ELEC. CONTR. AM2720 73CAM CBHBM CBHB A
52 MAIN LOOP ASSEMBLY 73CAN CBHBN CBHB A
52 RATE LOOP ASSEMBLY 73CAP CBHBP CBHB A
52 SERVO ASSEM., AZIMUTH 73CAQ CBHBQ CBHB A
52 AMP., ASSEMBLY 73CAR CBHBR CBHB A
52 POWER SUPPLY 73CAS CBHBS CBHB A
52 ARRAY ASSEMBLY, ANTENA 73CAT CBHBT CBHB A
52 TACHOMETER GENERATOR 73CAU CBHBU CBHB A
52 ASTRO COMPASS XMD-1< CBHC 11111111
52 ASTRO COMPASS CBHC F22222222
52 AMP., ASTROTRACKER SERVO 73EBA CBHCA CBHC A
52 PREAMP., SERVO 73EBB CBHCB CBHC A
52 AMP., ROLL MAG. SERVO 73EBC CBHCC CBHC A
52 AMP., MAG. SERVO 73EBD CBHCD CBHC 1
52 RACK ASSEMBLY, ASTROT. SERVO 73EBF CBHCE CBHC A
52 AMP., ASTROTRACK SIGNAL 73EBF CBHCF CBHC A
52 POWER SUPPLY, 250 LPS 73EBG CBHCG CBHC A
52 AMP., CELESTIAL SIGNAL 73EBH CBHCH CBHC A
52 AMP., DEMOD 73EBJ CBHCJ CBHC A
52 PREAMP., ALT. AND REL. BEAK 73EBK CBHCK CBHC A
52 AMP., TIME STANDARD 73EBL CBHCL CBHC A
52 POWER SUPPLY, & 500 VDC 73EBM CBHCM CBHC A

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FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111112222222222333333333344444444445555555555666666666677777777778  
12345678901234567890123456789012345678901234567890123456789012345678901234567890

52	COMPUTER, CORRECTION	73EAN	CBHCN	CBHC	A
52	TERMINAL BOARD ASSEMBLY	73LEP	CBHCP	CBHC	A
52G	AMP., ERECTION	73LAQ	CBHCQ	CBHC	A
52	AMP., ALT. AND AZ.	73LEP	CBHCR	CBHC	A
52	PREAMP., SERVO	73ERS	CBHCS	CBHC	A
52	AMP., MAGNETIC SERVO	73EET	CBHCT	CBHC	A
52	RACK ASSEMBLY, ALT. AND AZ.	73ERU	CBHCU	CBHC	1
52	AMP., CORRECTION COMPUTER	73EBV	CBHCV	CBHC	A
52	PREAMP., SERVO	73EBW	CBHCW	CBHC	A
52	AMP., MAGNETIC SERVO	73EEY	CBHCX	CBHC	A
52	RACK ASSEM., CORREC. COMPUT	73EY	CBHCY	CBHC	1
52	RACK ASSEM., REMOTE ASTRO	73ELZ	CBHCZ	CBHC	1
52	TRUE HEADING COMPUTATION		CBHD	CBHA	111111111
52	TRUE HEADING COMPUTATION		CBHD	CBHC	FAAAAAAAAAA
52G	HEADING INPUT		CBHD	CBSC	FAAAAAAAAAA
52G	AMP., ELEC. CONTR. #AJA-1<	73FBA	CBHDA	CBHD	A
52G	COMPUTER ASSY., MAGNETIC	73FEB	CBHDB	CBHD	A
52G	AMP., ASSY. PLUG IN	73FEC	CBHDC	CBHD	A
52G	POWER SUPPLY	73FERD	CBHDD	CBHD	A
52H	COMPASS		CBHE	CBHC	FAAAAAAAAAA
52	COMPASS		CBHE	CBHD	AAAAAAAAAAA
52H	HEADING INPUT		CBHE	CBSC	FAAAAAAAAAA
52G	AMP., N-1 COMPASS	73FAA	CBHEA	CBHE	A
52G	CONTROL, SLAVING	73FAF	CBHEF	CBHE	A
52G	TRANSMIT., REMOTE SLAVE	73FAT	CBHEJ	CBHE	A
52H	DIRECTIONAL GYRO		CBHF	CBHC	SAAAAAAAAAA
52H	DIRECTIONAL GYRO		CBHF	CBHD	FAAAAAAAAAA
52G	DIRECTIONAL GYRO		CBHF	CBHE	AAAAAAAAAAA
52H	DIRECTIONAL GYRO		CBHF	CBHE	FAAAAAAAAAA
52G	DIRECTIONAL GYRO, N-1 COMP.	73FAE	CBHFA	CBHF	A
52H	ELEMENT, STABLE	73FCA	CBHFB	CBHF	A
52H			CBHG	CBHC	SAAAAAAAAAA
52H			CBHG	CBHD	FAAAAAAAAAA
52G	MAGNETIC AZ DETECT.		CBHG	CBHE	AAAAAAAAAAA
52H			CBHG	CBHE	FAAAAAAAAAA
52G	DETECTOR, MAG. AZ.	73FAN	CBHGA	CBHG	A
52H	DETECTOR, MAG. AZ.	73FON	CBHGR	CBHG	A
52H	COMPENSATOR, MAG. AZ.	73FOP	CBHGC	CBHG	A
52	FRAME, LATITUDE RELAY	73CBA	CBHJA	CBHA	5
52	FRAME, LATITUDE ELEC UNITS	73CRB	CBHJB	CBHA	5
52	AMP., RESOLVER ISO.	73CBC	CBHJC	CBHA	5
52	AMP., ELEC. CONTROL	73CRD	CBHJD	CBHA	5
52	DETECTOR QUAD.	73CBE	CBHJE	CBHA	5
52	AMP. DISTANCE TO GO RELAY	73CBF	CBHJF	CBHA	5
52	TRANSFORMER STEP DOWN	73CBG	CBHJG	CBHA	5
52	FRAME, LONGITUDE RELAY	73CBH	CBHJH	CBHA	5
52	FRAME, HEADING VELOCITY REL.	73CBJ	CBHJJ	CBHA	A
52	FRAME, HEADING VELOCITY ELEC	73CBK	CBHJK	CBHA	A
52	AMP., RESOLVER ISO.	73CBL	CBHJL	CBHA	A
52	AMP., ELEC CONTR.	73CBM	CBHJM	CBHA	A



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52	REJECTOR QUAD.	73CHN	CBHJN	CBHA	A
52	AMP., TACH ISO	73CHP	CBHJP	CBHA	A
52	TRANSFORMER STEP DOWN	73CHR	CBHJR	CBHA	A
52	COMPUTER, LATITUDE DATA	73CHS	CBHJS	CBHA	5
52	COMPUTER, LONGITUDE DATA	73CHT	CBHJT	CBHA	5
52	INTEGRATOR, VELOCITY	73CHU	CBHJU	CBHA	5
52	COMPUTER, LATITUDE	73CHV	CBHJV	CBHA	5
52	COMPUTER, LONGITUDE	73CHW	CBHJW	CBHA	5
52	COMPUTER, HEADING ERROR	73CHX	CBHJX	CBHA	A
52	FRAME, PITCH AND ROLL ELEC.	73CDA	CBHKA	CBHA	A
52	AMP., RESOLV ISO	73CDR	CBHKB	CBHA	A
52	AMP., ELEC. CONTR.	73CDC	CBHKC	CBHA	A
52	REJECTOR QUAD	73CDD	CBHKD	CBHA	A
52	TRANSFORMER	73CDE	CBHKE	CBHA	A
52	FRAME HEADING RELAY	73CDF	CBHKF	CBHA	A
52	FRAME HEADING ELEC UNIT	73CDG	CBHKG	CBHA	A
52	AMP., ELEC. CONTR.	73CDH	CBHKH	CBHA	A
52	AMP., RESOLVER ISO.	73CDJ	CBHKJ	CBHA	A
52	REJECTOR, QUAD.	73CDK	CBHKK	CBHA	A
52	AMP., GYRO ERECTION	73CDL	CBHKL	CBHA	A
52	AMP., TACH. ISO.	73CDM	CBHKM	CBHA	A
52	TRANSFORMER	73CDN	CBHKN	CBHA	A
52	FRAME, MEMORY POINT RELAY	73CDP	CBHKP	CBHA	0
52	FRAME, MEMORY POINT ELEC.	73CDQ	CBHKQ	CBHA	A
52	AMP., ELEC. CONTR.	73CDR	CBHKR	CBHA	A
52	AMP., ELEC. TACH. ISO.	73CDS	CBHKS	CBHA	A
52	REJECTOR, QUAD.	73CET	CBHKT	CBHA	A
52	TRANSFORMER	73CEU	CBHKU	CBHA	A
52	FRAME, RANGE COORD. RELAY	73CEA	CBHLA	CBHA	5
52	DETECTOR, AIRFLOW	73GCA	CBHLAA	CBHA	1
52	PANEL, COOLING INDICATOR	73GCB	CBHLAB	CBHA	1
52	INDICATOR, TEMP. SENSING	73GCC	CBHLAC	CBHA	1
52	SIMULATOR, TEMP.	73GCD	CBHLAD	CBHA	1
52	J-BOX, VNS	73GHA	CBHLAE	CBHA	1
52	SHIELD, TIMING	73GJA	CBHLAF	CBHA	1
52	FRAME, RANGE COORD. ELEC.	73CEB	CBHLB	CBHA	8
52	AMP., ELEC. CONTR.	73CEC	CBHLC	CBHA	8
52	REJECTOR QUAD.	73CED	CBHLD	CBHA	5
52	AMP., ELEC. CONTR. INTEG.	73CEE	CBHLE	CBHA	8
52	TRANSFORMER, STEP DOWN	73CEF	CBHLE	CBHA	8
52	TRANSFORMER, WIND AIDING	73CEG	CBHLG	CBHA	8
52	COMPUTER, AZIMUTH AND ELEV.	73CFN	CBHLN	CBHA	A
52	CONTROL, LOW ALT. CALIB.	73CES	CBHLS	CBHA	1
52	CALIB., LOW ALT.	73CET	CBHLT	CBHA	1
52	CIRCUIT BOARD, INPUT. ISO.	73CEU	CBHLU	CBHA	1
52	CIRCUIT BOARD, PHASE SHIFT	73CEV	CBHLV	CBHA	1
52	CIRCUIT BOARD, SERVO DRIVE	73CEW	CBHLW	CBHA	1
52	CIRCUIT BOARD, POWER SUPP.	73CEX	CBHLX	CBHA	1
52	RECEIVER-TRANSMITTER	73DBA	CBHMA	CBHB	A
52	AFC ASSY.	73DBB	CBHMB	CBHB	A

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52 IF AMP.	73DBC	CBHMC	CBHB	A
52 CHECK OSCILLATOR	73DBD	CBHMD	CBHB	A
52 CONTROL, HV	73DBE	CBHME	CBHB	A
52 POWER-SUPPLY, HV	73DBF	CBHMF	CBHB	A
52 POWER-SUPPLY, LV	73DBG	CBHMG	CBHB	A
52 AUDIO AMP.	73DBH	CBHMH	CBHB	A
52 MIXER ASSY.	73DBJ	CBHMJ	CBHB	A
52 DRIVER ASSY.	73DBK	CBHMK	CPHB	A
52 BOX, INTERCON. DRIFT ANGLE	73DBM	CBHMM	CBHB	A
52 BOX, DOPPLER EMERGENCY STAB	73DBN	CBHMN	CBHB	2
52 PANEL, RADAR AND HEAD. DOP.	73DBR	CBHMR	CPHB	A
52G PANEL, HEADING SEL. AND DOP.	73DBS	CBHMS	CBHB	2
52 BOX, INTERCONN. FUSE	73DBT	CBHMT	CBHB	A
52 BOX, INTERCONN. POWER	73DBU	CBHMU	CBHB	A
52H PANEL, STAB. AND SEL. DOP.	9973X	CBHMV	CBHB	2
52 AMP., ASTRO-TRACKER SERVO	71EBA	CBHQA	CBHC	A
52 PREAMP., SERVO	71EBB	CBHQB	CBHC	A
52 AMP., ROLL MAG. SERVO	71EBC	CBHQC	CBHC	A
52 AAP., MAG. SERVO	71EBD	CBHQD	CBHC	1
52 RACK ASSEMBLY, ASTROT. SERVO	71EBE	CBHQE	CBHC	A
52 AMP., ASTRO-TRACK SIGNAL	71EBF	CBHQF	CBHC	A
52 POWER SUPPLY, 250 CPS	71EBG	CBHQG	CBHC	A
52 AMP., CELESTIAL SIGNAL	71EBH	CBHQH	CBHC	A
52 AMP., DEMOD.	71EBJ	CBHQJ	CBHC	A
52 PREAMP., ALT. AND REL. BEAR	71EBK	CBHQK	CBHC	A
52 AMP., TIME STANDARD	71EBL	CBHQL	CBHC	A
52 POWER SUPPLY, -900 VDC	71EBM	CBHQM	CBHC	A
52 TERMINAL BOARD ASSEMBLY	71EBP	CBHQP	CPHC	A
52 AMP., ALT. AND AZ.	71EBR	CBHQR	CBHC	A
52 PREAMP., SERVO	71EBS	CBHQS	CBHC	A
52 AMP., MAGNETIC SERVO	71EBT	CBHQT	CBHC	A
52 RACK ASSEMBLY, ALT. AND AZ.	71EBU	CBHQU	CBHC	1
52 AMP., CORRECTION COMPUTER	71EBV	CBHQV	CBHC	A
52 PREAMP., SERVO	71EBW	CBHQW	CBHC	A
52 AMP., MAGNETIC SERVO	71EBX	CBHQX	CBHC	A
52 RACK ASSEM., CORREC. COMPUT	71EBY	CBHQY	CBHC	1
52 RACK ASSEM., REMOTE ASTRO.	71EBZ	CBHQZ	CBHC	1
52H CONTROL, DIRECTIONAL	73FDA	CBHSA	CBHE	A
52H AMP., SERVO	73FDB	CBHSB	CBHE	A
52H SERVO AZIMUTH	73FDC	CBHSC	CBHE	A
52H AMP., AZIMUTH	73FDD	CBHSD	CBHE	A
52H AMP., MAGNETIC	73FDE	CBHSE	CBHE	A
52H POWER SUPPLY	73FDF	CBHSF	CBHE	A
52H PANEL, CONTROL	73FDJ	CBHSJ	CBHE	A
52H SWITCH XANJ-3C	73FCB	CBHTB	CBHD	A
52H ELECTRONIC CONTROL AND PS	73FCC	CBHTC	CBHD	A
52H AMPLIFIER	73FCD	CBHTD	CBHD	A
52H POWER SUPPLY	73FCE	CBHTE	CBHD	A
52H COMPENSATOR	73FCF	CBHTF	CBHD	A
52H INTEGRATOR, BIAS	73FCG	CBHTG	CBHD	A

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00000000011111111122222222233333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52H FILTER MECHANICAL 73FCB CBHTH CBHD A
52H AMPLIFIER, HEADING COMPUT. 73FCJ CBHTJ CBHD A
52H COMPUTER ASSEMBLY 73FCX CBHTK CBHD A
52H RATE SWITCH 73FCL CBHTL CBHD A
52H AMPLIFIER 73FCM CBHTM CBHD A
52H PANEL, MASTER CONTROL 73FCN CBHTN CBHD A
52H TRANSMITTER, SYNCHRO 73FCP CBHTP CBHD A
52H PANEL, SYNCHRO. CONTROL 73FCQ CBHTQ CBHD A
52H METER 73FCR CBHTR CBHD 2
52H AMPLIFIER, DUAL 73FCT CBHTT CBHD A
52H COUNTER 73FCU CBHTU CBHD A
52H INTEGRATOR, VELOCITY 73FCV CBHTV CBHD A
52 PRESENT POSITION INFO. CBJ 111111111
52 HSI CBJA 111111111
52 INDICATOR, HORIZ. SQUA. 2EA 71AFJ CBJAA 1
52 RADAR CBJB 111111111
52 INDICATOR AZIMUTH AND RANGE 73CJP CBJB 1
52 COMPARTMENT, TOPOGRAPHICAL 73CJA CBJB 1
52 SWS CBJC 111111111
52 COMPUTER, LATITUDE 73CFV CBJCA 5
52 COMPUTER, LONGITUDE 73CBW CBJCB 5
52 AMP., FLEC CONT. 73CEQ CBJHQ A
52 DEPENDENT STEERING CBK CN 222222222
52 LONG RANGE NAV CBKA CRK 000111000
52 RECEIVER, ARN-14 71AAA CHKAA A
52 MOUNT, ARN-14 RECEIVER 71AAB CHKAB A
52 DYNAMOTOR, ARN-14 71AAC CHKAC A
52 ANTENNA, ARN 14 71AAD CHKAD A
52 PANEL, CONTROL 71AAG CHKAG A
52 POWER SUPPLY 71AAH CHKAH A
52 TACTICAL NAV CBKB 111111111
52 TACTICAL NAV CBKB CLD F111111111
52 RECEIVER TRANS. ARN-21 71ABA CHKBA A
52 MOUNT ARN-21 RX/TX 71ABN CBKBN A
52 TACAN RADIO 71ABG CBKBG A
52 ANTENNA TACAN 71ABP CBKBP A
52 CONTROL, ARN-21A RADIO SET 71ABR CBKBR A
52 COUPLER, TACAN INSTRUMENT 71ABW CBKBW A
52 RADAR CBKC 111111111
52 RADAR CBKC ME F111111111
52 ANTENNA, RADAR 73CFA CBKCA A
52 DRIVE ASSEMBLY 73CFB CBKCB A
52 ACTUATOR ASSEMBLY 73CFC CBKCC A
52 POWER SUPPLY, RADAR 120V 73CFD CBKCD A
52 AMP., RADAR ELEC. CONTROL 73CFE CBKCE A
52 FRAME, RADAR AMP. MOUNTING 73CFF CBKCF 2
52 COUPLER, DIRECTIONAL 73CFG CBKCG A
52 COUPLER, DUAL DIRECTIONAL 73CFH CBKCH A
52 RECEIVER-TRANSMITTER 73CFI CBCKI A
52 AMPLIFIER, .IF 73CFN CBKCN A

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52	AMP.,VIDEO	73CFP	CBKCP	CBKC	A
52	AMP.,RADAR AFC	73CFQ	CBKCQ	CBKC	A
52	AMP.,RADAR LOCAL OSC CONT.	73CFR	CBKCR	CBKC	A
52	AMP.,BEACON AFC	73CFS	CBKCS	CBKC	1
52	MAGNETRON ASSEMBLY	73CFT	CBKCT	CBKC	2
52	FILTER RELAY ASSEMBLY	73CFU	CBACU	CBKC	8
52	CONTROL,SENSITIVITY TIME	73CFX	CBKCX	CBKC	1
52	DRIVE,TUNING	73CFY	CBKCY	CBKC	2
52	AMPLIFIER,OSCILLATOR ASSY.	73CFZ	CBKCZ	CBKC	A
52	NORMALIZATION UNIT RT	73CF1	CBKCZA	CBKC	0
52	AMPLITUDE EQUALIZER	73CF2	CBKCZB	CBKC	0
52	POWER SUPPLY	73CF3	CBKCZC	CBKC	A
52	STC GENERATOR	73CF4	CBKCZD	CBKC	0
52	PHASE EQUALIZER	73CF5	CBKCZE	CBKC	2
52	PREAMP.,TA-1 SUM	73CF6	CBKCZF	CBKC	0
52	PREAMP.,TA-1 DIFFERENCE	73CF7	CBKCZG	CBKC	0
52	MODULATOR,RADAR	73CGA	CBKGA	CBKC	A
52	THYRATRON ASSEMBLY	73CGB	CBKGB	CBKC	A
52	POWER SUPPLY	73CGC	CBKGC	CBKC	A
52	NETWORK,PULSE FORMING	73CGD	CBKGD	CBKC	A
52	FILTER,RELAY ASSEMBLY	73CGE	CBKGE	CBKC	A
52	CONTROL,RADAR ANTENA TILT	73CGF	CBKGF	CBKC	2
52	CONTROL,RADAR PRIMARY	73CGG	CBKGG	CBKC	A
52	CONTROL,RADAR TEST	73CGH	CBKGH	CBKC	0
52	CONTROL,RADAR TERRAIN TEST	73CGJ	CBKGJ	CBKC	0
52	CARD ASSEM. CIRCUIT BD	73CGK	CBKGK	CBKC	A
52	CONTROL,ANTENNA UNIT	73CGL	CBKGL	CBKC	A
52	PHASE SHIFTER 360 DEGREE	73CGM	CBKGM	CBKC	1
52	FRAME,RADAR MULATUR MOUNT.	73CGN	CBKGN	CBKC	2
52	REINST.TERRAIN COMPUTER	73CGP	CBKGP	CBKC	0
52	DETECTOR FAILURE WARNING	73CGQ	CBKGQ	CBKC	0
52	GENERATOR,I/R QUAD GATE	73CGR	CBKGR	CBKC	0
52	GENERATOR,RETA	73CGS	CBKGS	CBKC	0
52	AMP.,PROFILE VIDEO	73CGT	CBKGT	CBKC	0
52	AMP.,PLAIN VIDEO	73CGU	CBKGU	CBKC	0
52	POWER SUPPLY	73CGV	CBKGV	CBKC	A
52	GENERATOR,FAILURE WARNING	73CGW	CBKGW	CBKC	0
52	ELEC. GAMA ASSEM.	73CGX	CBKGX	CBKC	0
52	NORMALIZATION UNIT RTC	73CGY	CBKGY	CBKC	0
52	CARD ASSEMBLY,CIRCUIT	73CGZ	CBKGZ	CBKC	A
52	CONTACT ASSEMBLY	73CG1	CBKGZA	CBKC	2
52	FRAME,COMPARITOR RELAY	73CJB	CBKJB	CBKC	A
52	FRAME,COMPARITOR ELECTRONIC	73CJC	CBKJC	CBKC	A
52	AMP.,DEFLECTION VOLTAGE	73CJD	CBKJD	CBKC	A
52	REGULATOR HV SUPPLY	73CJE	CBKJE	CBKC	A
52	TRANSFORMER,INDICATOR	73CJF	CBKJF	CBKC	A
52	POWER SUPPLY COMPAR. HIGH	73CJG	CBKJG	CBKC	A
52	AMP.,DEFLECTION CURRENT	73CJH	CBKJH	CBKC	A
52	AMP.,ELECTRONIC CONTROL	73CJJ	CBKJJ	CBKC	A
52	AMP.,VIDEO	73CJK	CBKJK	CBKC	A

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52	PROJECTOR ASSEMBLY	73CJL	CBKJL	CBKC	0
52	CAMERA OPTICS ASSEM.	73CJM	CBKJM	CBKC	0
52	FILM MOVEMENT	73CJN	CBKJN	CBKC	0
52	CONTROL, AZIMUTH AND RANGE	73CJU	CBKJU	CBKC	A
52	FRAME, INDICATOR RELAY	73CJH	CBKJH	CBKC	A
52	FRAME, INDICATOR ELEC. UNITS	73CJS	CBKJS	CBKC	A
52	AMP., DEFLECTION VOLTAGE	73CJT	CBKJT	CBKC	A
52	AMP., VIDEO	73CJU	CBKJU	CBKC	A
52	TRANSFORMER, INDICATOR	73CJV	CBKJV	CBKC	A
52	POWER SUPPLY, COMPACTOR HV	73CJW	CBKJW	CBKC	A
52	REGULATOR, HV SUPPLY	73CJX	CBKJX	CBKC	A
52	AMP. ELEC. CONTROL	73CJY	CBKJY	CBKC	A
52	AMP. DEFLECTION CURRENT	73CJZ	CBKJZ	CBKC	A
52	TUBE AND MAGNET ASSEM.	73CJ1	CBKJ2A	CBKC	A
52	DESICCATOR 2EA	73CKA	CBKKA	CBKC	0
52	FRAME, SWEEP RELAY	73CKE	CBKKR	CBKC	A
52	FRAME, SWEEP ELEC. UNITS	73CKC	CBKKC	CBKC	A
52	COMPUTER, SECTOR OFFSET	73CKD	CBKKD	CBKC	1
52	GENERATOR, SWEEP 3EA	73CKE	CBKKE	CBKC	A
52	GENERATOR, ALTITUDE UNP. GATE	73CKF	CBKKF	CBKC	A
52	GENERATOR, SWEEP GATE	73CKG	CBKKG	CBKC	A
52	TRANSFORMER, SWEEP STEPDOWN	73CKH	CBKKH	CBKC	A
52	INTEGRATOR, ELECTRONIC 3EA	73CKJ	CBKKJ	CBKC	A
52	FRAME, AZIMUTH RELAY	73CKL	CBKKL	CBKC	A
52	FRAME, AZIMUTH ELEC. UNITS	73CKM	CBKKM	CBKC	A
52	INTEGRATOR ELECTRONIC	73CKN	CBKKN	CBKC	A
52	CONVERTER AZIMUTH SIG. 2EA	73CKP	CBKKP	CBKC	A
52	GENERATOR AZIMUTH CROSS H.	73CKQ	CBKKQ	CBKC	0
52	TRANSFORMER AZ AND RANGE	73CKP	CBKKR	CBKC	A
52	AMP., AZ. RESOLVER ISO 3EA	73CKS	CBKKS	CBKC	A
52	AMP., 1600-CYCLE	73CKT	CBKKT	CBKC	A
52	GENERATOR, SECTOR SCAN	73CKU	CBKKU	CBKC	1
52	FRAME, RANGE RELAY	73CKV	CBKKV	CBKC	A
52	PUMP ASSEMBLY, DESICCATOR	73CKW	CBKKW	CBKC	1
52	FRAME, RANGE ELEC. UNIT	73CKA	CBKLA	CBKC	A
52	GENERATOR, TIMING PULSE	73CKP	CBKLB	CBKC	A
52	GENERATOR, ALT. TIME GATE	73CKC	CBKLC	CBKC	0
52	GENERATOR, RANGE TIME GATE	73CKD	CBKLD	CBKC	A
52	AMP., MARKER MIXING GATE	73CKE	CBKLE	CBKC	0
52	TRANSFORMER, AZ./RANGE 5EA	73CKF	CBKLF	CBKC	A
52	GENERATOR, RANGE CROSS HAIR	73CKG	CBKLG	CBKC	0
52	AMP., MARKER MIXING PULSE	73CKH	CBKLH	CBKC	A
52	GEN., PULSE REP. FREQUENCY	73CKJ	CBKLJ	CBKC	A
52	GEN., SWEEP TRIGGER PULSE	73CKK	CBCLK	CBKC	1
52	CONTROL, PRESENTATION ADJ.	73CKL	CBKLL	CBKC	A
52	CONTROL, PRESENTATION GAIN	73CKM	CBKLM	CBKC	8
52	CONTROL, RANGE SELECTOR	73CKN	CBKLN	CBKC	2
52	CONTROL, TARGET SCALE	73CKP	CBKLP	CBKC	2
52	CONTROL, TERRAIN RADAR	73CKQ	CBKLQ	CBKC	0
52	CONTROL, STC AMPLITUDE	73CKR	CBKLR	CBKC	1

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52	SELECTOR, RANGE TARGET SCALE	73CLS	CBKLS	CBKC	2
52G	POWER SUPPLY, PRESN. 150/-300	73CLT	CBKLT	CBKC	A
52G	POWER SUPPLY, PRESN. 150/8300	73CLU	CBKLU	CBKC	A
52G	POWER SUPPLY, PRESN. 600	73CLV	CBKLV	CBKC	A
52G	COOLER P.S. LIQUID	73CLW	CBKLW	CBKC	A
52G	PUMP P.S. COOLANT	73CLX	CBKLX	CBKC	A
52H	P.S. MAGNETIC	73CLY	CBKLY	CBKC	A
52H	FRAME, P.S. RELAY	73CLZ	CBKLZ	CBKC	A
52H	FRAME, P.S. ELEC. UNITS	73CL2	CBKLZA	CBKC	A
52H	AMP., P.S. FILTER	73CL3	CBKLZB	CBKC	A
52H	AMP., P.S. REGULATOR	73CL4	CBKLZC	CBKC	A
52G	PUMP AND MOTOR P.S. COOL.	73CL5	CBKLZD	CBKC	A
52G	FILTER, 300V	73CL6	CBKLZE	CBKC	A
52G	FILTER, 150V	73CL7	CBKLZF	CBKC	A
52	UNIT PRESSURIZATION	73GPA	CBKPA	CBKC	A
52	DEHYDRATOR	73GFB	CBKPB	CBKC	0
52	SWITCH, ABS. AIR PRESS. CONT	73GBC	CBKPC	CBKC	A
52	SWITCH, ABS. AIR PRESS. SIG	73GBD	CBKPD	CBKC	A
52	COMPRESSOR, AIR	73GBF	CBKPE	CBKC	A
52	PANNEL, PRESS. CONT.	73GBW	CBKPW	CBKC	1
52	PANNEL, PRESS. IND.	73GBX	CBKPX	CBKC	1
52	IDENTIFICATION		CC	C	000000000
52	RECEIVER-TRANSMITTER APX-64	65BAA	CCA	CC	A
52	MOUNTING	65BAB	CCB	CC	0
52	DECODER	65BAC	CCC	CC	A
52	CODER	65BAD	CCD	CC	A
52	POWER SUPPLY	65BAF	CCE	CC	A
52	TRANSMITTER	65PAF	CCF	CC	A
52	GENERATOR	65BAG	CCG	CC	A
52	MODULE, RADIO FREQ.	65PAH	CHH	CC	A
52	MODULE, DELAY LINE	65BAJ	CCJ	CC	A
52	MODULE, IF AMP.	65BAK	CCK	CC	A
52	MODULE, TEST	65BAL	CCL	CC	0
52	COMPUTER, TRANSPONDER	65BEB	CCM	CC	A
52	CONTROL, TRANSPONDER SET	65ECA	CCN	CC	8
52	TEST SET	65BEO	CCP	CC	0
52	ANTENNA, L-BAND 2EA	65PEA	CCQ	CC	1
52	ANTENNA, SWITCHING UNIT	65PEB	CCR	CC	1
52	DEHYDRATOR	61BCE	CHACE	CAHC	0
52	APPROACH AND LANDING AIDS		CL	CBA	000000220
52	GLIDE PATH		CLA	CL	111111111
52	GLIDESLOPE INPUT		CLA	FCSD	FAAAAAAAAAA
52	RECEIVER, ARN-67	71ARE	CLAA	CLA	A
52	ANTENNA, GLIDE PATH	71ABH	CLAB	CLA	A
52	LOCALIZER		CLB	CL	111111111
52	LOCALIZER INPUT		CLB	FBSE	FAAAAAAAAAA
52	LOCALIZER INPUT		CLB	FDN	FAAAAAAAAAA
52	RECEIVER, ARN-14	71AAA	CLBA	CLB	A
52	MOUNT, ARN-14 RECEIVER	71AAB	CLBB	CLB	0
52	DYNAMOTOR, ARN-14	71AAC	CLBC	CLB	A



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52 ANTENA, ARN-14 71AAD CLBD CLB A
52 POWER SUPPLY 71AAH CLBH CLB A
52 CONTROL CLBP CLA FAAAAAAAAA
52 CONTROL CLBP CLB AAAAAAAAAA
52 PANEL, CONTROL 71AAG CLBPA CLBP A
52 APPROACH DISPLAYS CLC CLD 22222222
52 VERTICAL GUIDANCE CLC CLC 11111111
52 GLIDE SLOPE IND RADIC 2EA 51ANB CLCAA CLCA 1
52 LATERAL GUIDANCE CLCB CLC 11111111
52 INDICATOR, HSI . 2EA 71AFJ CLCBA CLCB 1
52 GLIDE SLOPE IND RADIC 2EA 51ANB CLCBB CLCB 1
52 RANGE CLCD CLC 11111111
52 MARKER BEACON LIGHT 2EA 9951X CLCDA CLCD 1
52 MARKER BEACON CLCF CLCD FAAAAAAAAA
52 MARKER BEACON CLCF CLCG 11111111
52 MARKER BEACON CLCF CLC F11111111
52 RECEIVER, ARN-32 71ACU CLCFA CLCF A
52 ANTENA, MARKER BEACON 71ACE CLCFB CLCF A
52 MARKER BEACON ATTEN. CLCG CL 11111111
52 NAV TONE MONITOR CLD K CLC 11111111
52G PANEL C&B2432 CONTROL 64AAH CLDA CLD A
52H PANEL, CONTROL C-2106 64BAB CLDB CLD A
52 PENDEZVOUS RADAR BEACON CLR BOV 11111111
52 CONTROL CLRA CLR AAAAAAAAAA
52 CONTROL, C-8128< RADAR SET 72AAA CLPAA CLRA A
52 PRESSURIZATION CLRB CLRB AAAAAAAAAA
52 KIT, PRESSURIZATION 72ABA CLRBA CLRB A
52 PUMP, AIR 72ABH CLRBB CLRB A
52 DEHYDRATOR 72ABJ CLRBJ CLRB 0
52 GAGE, PRESS 72ABK CLRBK CLRB 1
52 SWITCH, PRESS 72ABL CLRBL CLRB A
52 PANEL, LOW PRESSURE WARNING 72AAB CLRBM CLRB 1
52 BASE, LOW PRESSURE WARNING 72AAC CLRBN CLRB 1
52 RECEIVER-TRANSMITTER 72AAD CLROD CLR A
52 DISCRIMINATOR ASSEMBLY 72AAF CLRCF CLR A
52 AFC CHASSIS 72AAF CLRCF CLR A
52 LOW VOLTAGE PS AND CODER 72AAH CLRCH CLR A
52 COUPLER, DIRECTIONAL 72AAM CLRCH CLR 2
52 FAN, MD 135 VANE AXIAL 72AAP CLRCR CLR A
52 ANTENA, FIN MOUNTED 72AAW CLRCW CLR A
52 MICROWAVE UNIT 72AAZ CLRCZ CLR A
52 FLIGHT DIRECTORY GROUP CM CBA 11111111
52 COMPUTER, FLIGHT DIRECTOR 71AFK CMA CM A
52 NAVIGATION SYSTEM SELECT 9971X CM CM A
52 NAVIGATIONAL SIGNAL DATA CM CBA 001111100
52 GROUND SPEED CS CHC 000000000
52 INDICATOR, GROUND SPEED 73DAE CSA CS A
52 DOPPLER RADAR COOLING CZA CRHR 11111111
52 DUCT ASSY ELECT AIR DIST 41EBE CZA 1
52 DOPPLER RADAR GKN BLOWER 41EBB CZA 1

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1234567890123456789012345678901234567890123456789012345678901234567890
52 DOPPLER RADAR GRN RELAY 41EAD CZAC CZA 1
52 FWD RADOME EQUIP COOLING CZB CBKC 111111111
52 FWD RADOME GRN BLOWER 41EPA CZHA CZB 1
52 DUCT ASSY ELECT AIR DIST 41EBF CZBB CZB 1
52 GRND COOLING VALVE ASSY 41EAC CZBC CZB 1
52 COOLING CONTROL CZC CZA 100000001
52 COOLING CONTROL CZC CZB 100000001
52 GRN BLOWER CONTROL PANEL 41EAA CZCA CZC 1
52 SQUAT SWITCH 13ACA CZCB CZC 5
52 INFORMATION AND DISPLAY D AAAAAA
52 FLIGHT STATUS DA D 011111130
52 ALTITUDE INFORMATION DAA DA E 00A111140
52 BAROMETRIC ALTITUDE DAB DAA DAF 111111111
52 CORRECTED INDICATION DAC DAB 000111000
52 NAVIGATORS INDICATION DAE DAB 111111111
52 ALTIMETER AAU-19/A 51AAA DAEA DAF 1
52 ALTIMETER AAU-19A/A 51AAD DAE 1
52 RADAR ALTITUDE DAF DAA K DAB AAAAAA
52 VERTICAL VELOCITY DAG DAA 000000010
52 PILOTS INDICATION DAH DAB 222222222
52 ALTIMETER AAV-19/A 51AAA DAHA DAH 5
52 ALTIMETER AAU-19A/A 51AAD DAHB DAH 5
52 COPILOTS INDICATION DAJ DAB 111111111
52 ALTIMETER AAU-19/A 51AAA DAJA DAJ 5
52 ALTIMETER AAU-19A/A 51AAD DAJB DAJ 5
52 ALTITUDE COMPUTATIONS DAK CC FAAAAA
52 ALTITUDE COMPUTATIONS DAK DAC AAAA
52 ALTITUDE COMPUTER CPU/66 51AAB DAKA DAK 8
52 COMPUTER MOUNTING BASE 51AAC DAKB DAK 0
52 ALTITUDE PITOT/STATIC SEN DAL DAK AAAAAA
52 ABSOLUTE PRESSURE PICKUP 74HEA DALA DAL 8
52 PITOT TUBE 51DAA DALB DAL 8
52 PITOT TUBE HEATER 51DAB DALC DAL 5
52 CO-PILOT V V INDICATION DAM DAG 111111111
52 V V INDICATOR 51ABA DAMA DAM 8
52 PILOTS V V INDICATION DAN DAG 222222222
52 V V INDICATOR 51ABA DANA DAN 8
52 STATIC SENSING MID DAP CRHA FAAAAA
52 STATIC SENSING MID DAP DAF FAAAAA
52 STATIC SENSING MID DAP DAJ AAAAAA
52 STATIC SENSING MID DAP DAM FAAAAA
52 STATIC SENSING MID DAP DBD 55555555
52 STATIC SENSING MID DAP FBJC FAAAAA
52 ABSOLUTE PRESSURE PICKUP 74HEA DAPA DAP 8
52 STATIC SENSING TOP DAQ DAH 55555555
52 STATIC SENSING TOP DAQ DAN FAAAAA
52 STATIC SENSING TOP DAQ DBC 55555555
52 ABSOLUTE PRESSURE PICKUP 74HEA DAQA DAP 8
52 PITOT SENSING L FWD DAT CRHA FAAAAA
52 PITOT SENSING L FWD DAT DBC 55555555

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PG0055.J1P1 DATE = 10/10/75

# FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 PITOT SENSING L FWD DAT MH FAAAAAAAAA
52 PITOT TUBE 510AA DATA DAT 8
52 PITOT TUBE HEATER 510AB DATH DAT 5
52 ALTITUDE PROCESSING DAU DAF AAAAAAAAAA
52 HEIGHT INDICATOR 72CAA DAUA DAU 8
52 RADAR TRANSMITTER 72CAE DAUB DAU 8
52 RADAR RECEIVER 72CAJ DAUC DAU 8
52 IF AMPLIFIER 72CAL DAUD DAU 8
52 ELFC CONTROL AMPLIFIER 72CAN DAUE DAU 8
52 SERVO ASSY 72CAP DAUF DAU 8
52 RADIO INTERFER FILTER 72CAF DAUG DAU 8
52 MOUNTING 72CAT DAUH DAU 8
52 MODULATOR OSC SET 72CAU DAUJ DAU 8
52 LINE STRIP ASSY 72CAV DAUK DAU 8
52 CONTROL TIE-IN PANEL 72CAW DAUL DAU 1
52 FLIGHT STATUS ATTENUATION DAX DA 11111111
52 AIRSPEED DAB DA 0A10101A0
52 INDICATED AIRSPEED DAB DA 11111111
52 PILOTS INDICATION DBC DA 22222222
52 AIRSPEED INDICATOR 51ACA DBCA DBC 8
52 CO-PILOTS INDICATION DBC DA 11111111
52 AIRSPEED INDICATOR 51ACA DBCA DBC 8
52 TAS/MACH INDICATION DBE DA 11111111
52 MACH INDICATION DBE DA 11111111
52 MACHMETER 51ALD DBFA DBE A
52 PILOTS TAS INDICATION DBG DA 11111111
52 TAS INDICATOR 51ALC DBGA DBG A
52 NAV TAS INDICATION DBH DA 11111111
52 TAS INDICATOR 51ALC DBHA DBH A
52 TAS COMPUTATION DBJ DBG AAAAAAAAAA
52 TAS COMPUTATION DBJ DBH FAAAAAAAAA
52 TEMPERATURE SENSING DBK DBJ AAAAAAAAAA
52 TEMPERATURE RULP 9951A DBKA DBK A
52 TAS/MACH COMPUTATION DBL DBE SAAAAAAAAA
52 TAS/MACH COMPUTATION DBL DBF FAAAAAAAAA
52 TAS/MACH COMPUTATION DBL DBJ FAAAAAAAAA
52 TAS COMPUTER 51ALA DBLA DBL A
52 STATIC SENSING BOTTOM DBM DBL AAAAAAAAAA
52 STATIC SENSING BOTTOM DBM FCSC FAAAAAAAAA
52 STATIC SENSING BOTTOM DBM MAD FAAAAAAAAA
52 STATIC DRAIN 51DBE DBMA DBM 1
52 PITOT SENSING R FWD DBN DBD FAAAAAAAAA
52 PITOT SENSING R FWD DBN DBL AAAAAAAAAA
52 PITOT SENSING R FWD DBN FCSC FAAAAAAAAA
52 PITOT SENSING R FWD DBN MAD FAAAAAAAAA
52 PITOT TUBE 51CAA DBNA DBN 8
52 PITOT TUBE HEATER 51DAB DBNB DBN 5
52 G-LOAD INDICATION DBP DAX 000000000
52 ACCELEROMETER 51AFA DBPA DBP A
52 FREE AIR TEMP INDICATION DCA DA 000000000

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PGG095.JIR1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222233333333444444455555556666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
52 FREE AIR TEMP INDICATOR 2 51CMA DCAA DCA 5
52 FREE AIR TEMP BULB 2 EACH 9951C DCAB DCA 5
52 ATTITUDE INFORMATION DCB DA E 0000000A0
52 PITCH/ROLL INFO DCC DCB 888888888
52 PILOTS INDICATION DCD OCC 222222222
52 ATTITUDE INDICATOR ARU-2B/A51ANB DCDA DCD A
52 ATTITUDE SENSING DCE CBDC FAAAAAAAAA
52 ATTITUDE SENSING DCE DCD AAAAAAAAAA
52 ROLL AND PITCH DIS GYRO 51AND DCEA DCE A
52 EMERGENCY PWR PANEL 9951B DCEB DCE 8
52 ROLL AND PITCH DIS MOUNT 51ANF DCEC DCE 0
52 COPILOTS INDICATION DCF DCC 111111111
52 ATTITUDE INDICATOR ARU-2B/A51ANB DCFA DCF A
52 ATTITUDE SENSING DCG DCF AAAAAAAAAA
52 ROLL AND PITCH DIS GYRO 51AND DCGA DCG A
52 ROLL AND PITCH DIS MOUNT 51ANF DCGB DCG 0
52 COPILOTS EQUIP INSTALLATION 9951D DCGC DCG 8
52 TURN/SLIP INFO DCH DCB 222222222
52 PILOTS INDICATION DCJ DCH 222222222
52 ATTITUDE INDICATOR APU-2B/A51ANB DCJA DCJ A
52 COPILOTS INDICATION DCK DCH 111111111
52 ATTITUDE INDICATOR ARU-2B/A51ANB DCKA DCK A
52 TURN/SLIP SENSING DCL DCJ AAAAAAAAAA
52 SWITCHING RATE GYRO 51ANE DCLA DCL A
52H RATE/TURN GYRO TRANSMITTER 51ANG DCLB DCL A
52 TURN/SLIP SENSING DCM DCK AAAAAAAAAA
52 SWITCHING RATE GYRO 51ANE DCMA DCM A
52H RATE/TURN GYRO TRANSMITTER 51ANG DCMR DCM A
52 EMERGENCY POWER DCP DCE K DCQ AAAAAAAAAA
52 FLT GYRO EMERG INVERTER 51ANH DCPA DCP A
52 NORMAL POWER DCQ DCE DCP 111111111
52 ENVIRONMENTAL CONTROL E D AAAAAAAAAA
52 LIGHTING EA E D 111111121
52 INTERNAL LIGHTING EAA EA 0AAAAAAAAA
52 FLIGHT STATION LIGHTING EAAA FAA 111111111
52 PRIMARY LIGHTING EAAB EAAA EAAC 111111111
52 INSTRUMENT LIGHT ASSY 44BJA EAABA EAAB 1
52 INST. LIGHT XFORMER 44BJB EAABB EAAB 1
52H DIMMING CONTROL UNIT 2EA 44BAA EAABE EAAB 1
52 PANEL LIGHT ASSY 44BKA EAABF EAAB 1
52 PANEL LIGHT XFORMER 44BKB EAABG EAAB 1
52 PANEL LIGHT RHEOSTAT 2EA 44BKC EAABH EAAB 1
52 DIMMING CONTROL PILOT 44CAR EAABJ EAAB 1
52 PNL LIGHT AUTO XFORMER 47ACK EAABZY EAAB 0
52 BACK-UP/EMERG LIGHTING EAAC EAAA K EAAB 222222222
52 FLOOD LIGHT INSTAL. 44BHO EAACA EAAC 1
52 SPOT LIGHT INSTAL. 44BGO EAACB EAAC 1
52 EMERG INST. LIGHT ASSY 44BJA EAACC EAAC 2
52 INST. LIGHT XFORMER 44BJB EAACD EAAC 1
52 EMERG. FLT. INST. LITE RELAY 44BJD EAACE EAAC 1

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## FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 DOME LIGHT INSTAL. 44BCC EAACF FAAC 1
52 THUNDERSTORM LITE ASSY 44BFA EAACG EAAC 1
52 THUNDERSTORM LITE PWKSTAT 44FBB EAACH EAAC 1
52 THUNDERSTORM LITE SWITCH 44BRC EAACJ EAAC 1
52 CREW STATION LIGHTING EAAF FAA 000000000
52 NORMAL LIGHTING EAAG FAAF EAAM 111111111
52 INST LIGHT ASSY 44BJA EAAGA EAAG 1
52 INST LIGHT XFORMER 44BJB EAAGB EAAG 1
52 DIMMING CONTROL UNIT 44BAA EAAGC EAAG 2
52 PANEL LIGHT ASSY 44BKA EAAGD EAAG 1
52 PANEL LIGHT XFORMER 44BKB EAAGE EAAG 1
52 PANEL LIGHT RHEOSTAT 44BKC EAAGF EAAG 2
52 DIMMING CONTROL NAVIGATR 44CAA EAAGG EAAG 1
52 CREW STA BACK-UP LIGHTING FAAH K EAAG 222222222
52 FLOOD LIGHT INSTALLATION 44BHC EAAHA EAHA 1
52 SPOT LIGHT INSTALLATION 44BGO EAHHB EAHA 1
52 DOME LIGHT INSTALLATION 44BCC EAHHC EAHA 1
52 AISLES : PASSAGEWAY LIGHTS FAAJ FAA 000000000
52 DOME LIGHT INSTALLATION 44BCC FAAJA FAAJ 1
52 ENTRANCE LIGHT INSTAL 44BDO FAAJB FAAJ 1
52 AISLE LIGHT INSTALLATION 44BEO FAAJC FAAJ 1
52 WALKWAY LIGHT INSTAL 44BFO FAAJD FAAJ 1
52 SPOT LIGHT INSTALL 44BGO FAAJE FAAJ 1
52 EXTERNAL LIGHTING ATTEN EAB EA 111111121
52 EXTERNAL LIGHTING EABA EAB 111111111
52 LANDING LIGHTS FABB EABA 000000040
52 LANDING LIGHT ASSY 3EA 44AEA FABA FABB 1
52 LANDING LIGHT XFORMER 3EA 44AEB FABB FABB 1
52 TAXI LIGHTS EABC EABA 100000001
52 TAXI LIGHT ASSY 44ADA EABCA EABC 1
52 TAXI LIGHT XFORMER 44ADH EABCB EABC 1
52 NAVIGATION LIGHTS LABD EABA 011111110
52 LIGHT ASSY WING TIP 2EA 44ACA EABDA EABD 1
52 TRANSFORMER 2EA 44ACB EABDB EABD 1
52 TAIL LIGHT ASSY 4FA 44ACA EABDC EABD 1
52 TAIL LIGHT XFORMER 2EA 44ACB EABDD EABD 1
52 BODY LIGHT ASSY 44ACA EABDE EABD 1
52 BODY LIGHT XFORMER 44ACB EABDF EABD 1
52 NAV LIGHT FLASHER 44ACD EABDG EABD 1
52 ANTI COLLISION LIGHTS LABE EABA 022222220
52 ANTI COLL.LIGHT ASSY 3EA 44AAA EABEA EABE 2
52 ANTI COLL.LIGHT XFORMER 2EA 44AAB EABEB EABE 3
52 AERIAL REFUELING LIGHTS EABF EABA 000111000
52 AERO REFUEL LIGHT ASSY 5EA 44ABA EABFA EABF 1
52 AERO REFUEL LT.XFORMER 2EA 44ABB EABFB EABF 2
52 LIGHT AIR REFUEL RECEPT 46GBJ EABFZ LABF 1
52 TERRAIN CLEARANCE LIGHTS EARG EABA 000000010
52 TERRAIN CL LIGHT ASSY 44AFA EABGA EARG A
52 TERRAIN CL LIGHT XFORMR 44AFB EABGB EARG A
52 OXYGEN EB E K ECP 002555000

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000000111111111222222222333333333444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 FLIGHT CREW OXYGEN EBA EB 22222222
52 MASK TO REG HOSE PILOT 47ACL EBAA ERA 2
52 MASK TO REG HOSE COPILOT 47ACL EBAB EPA 1
52 MASK TO REG HOSE INST PLT 47ACL EBAC EPA 1
52 AIR CREW OXYGEN EBB EB 000000000
52 MASK TO REG AIR CREW 6EA 47ACL EBBA EBB 1
52 NORMAL LOX DIST ERC EB EBK 111111111
52 OXYGEN REG PILOT 47ACA EBCA EBC 2
52 OXYGEN REG COPILOT 2EA 47ACA EBCB EBC 1
52 OXYGEN REG AIR CREW 6EA 47ACA EBCC ERC 0
52 SUPPLY VALVE PILOT 47ACD EBCK EBC 2
52 SUPPLY VALVE COPILOT 2EA 47ACD EBCL EBC 1
52 SUPPLY VALVE AIR CREW 6EA 47ACD EBCM CBC 0
52 DILUTER VALVE PILOT 47ACE EBCN EBC 1
52 DILUTER VALVE COPILOT 2E 47ACE EBCP EBC 1
52 DILUTER VALVE AIR CREW 6E 47ACE EBCQ EBC 0
52 EMERGENCY VALVE PILOT 47ACF EBCR EBC A
52 EMERGENCY VALVE COPLT 2EA 47ACF EBCT EBC 1
52 EMERGENCY VALVE AIRCREW 6E 47ACF EBC 1
52 LOX DISTRIBUTION NO 1 EBD EBC 111111111
52 LOX DISTRIBUTION NO 2 EBF EBC 111111111
52 NO 1 LOX SUPPLY EBG EBD 111111111
52 NO 1 LOX SUPPLY EBG EBL F22222222
52 LIQUID OXYGEN CONVERTER 47AAA EBGA FBG A
52 PRESSURE CLOSING VALVE 47AAB EBGB EBG 2
52 PRESSURE RELIEF VALVE 47AAC EBGC EBG 2
52 FILLER VALVE 47AAE EBGE FBG 1
52 VENT VALVE 47AAF EBGF EBG 1
52 NO 2 LOX SUPPLY EBH EBF 111111111
52 NO 2 LOX SUPPLY ERH EBL F22222222
52 LIQUID OXYGEN CONVERTER 47AAA EBHA EBH A
52 PRESSURE CLOSING VALVE 47AAB EBHB EBH 2
52 PRESSURE RELIEF VALVE 47AAC EBHC EBH 2
52 FILLER VALVE 47AAE EBHE FBH 1
52 VENT VALVE 47AAF EBHF ERH 1
52 NO 3 LOX SUPPLY ERJ EBD 111111111
52 NO 3 LOX SUPPLY ERJ EBF 111111111
52 NO 3 LOX SUPPLY ERJ EBL F22222222
52 LIQUID OXYGEN CONVERTER 47AAA ERJA EBJ A
52 PRESSURE CLOSING VALVE 47AAB ERJB EBJ 2
52 PRESSURE RELIEF VALVE 47AAC ERJC EBJ 2
52 FILLER VALVE 47AAE ERJE EBJ 1
52 VENT VALVE 47AAF ERJF EBJ 1
52 EMERGENCY OXYGEN EBK ER K EBC AAAAAAAAAA
52 GASEOUS OXG CYL FLT CRW 2E47BBA EBKA EBK 1
52 GASEOUS OXG CYL AIR CRW 4E47BBA EBKB EBK 1
52 OXYGEN REG FLT CREW 2EA 47BBB EBKC EBK 1
52 OXYGEN REG AIR CREW 4EA 47BBB EBKD EBK 1
52 PRESS GAGE FLT CREW 2EA 47BBC EBKE EBK 0
52 PRESS GAGE AIR CREW 4EA 47BBC EBKF EBK 0

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## FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 RECHARGE INST FLT CRW 2FA 47HCO FBKC FBK 1
52 RECHARGE INST AIR CRW 4EA 47HCO FBKH EBK 0
52 LOX INFO EBL 333333333
52 LOX QTY INDICATOR 51CLA EBLA EBL 2
52 LOX QTY PROBESEA OF 3K 51CLB EBLB EBL 2
52 CAPACITANCE SIMULATOR 51CLC EBLC EBL 2
52 FLOW IND PILOT 47ACB EBLD EBL 1
52 FLOW IND COPILOT 2EA 47ACB EBLE EBL 0
52 FLOW IND AIR CREW 6EA 47ACB EBLF EBL 0
52 PRESSURE GAGE PILOT 47ACC EBLG EBL 1
52 PRESSURE GAGE CO PILOT 2E 47ACC EBLH EBL 0
52 PRESSURE GAGE AIR CREW 6E 47ACC EBLJ EBL 0
52 RECHARGE OXG PRESS IND 51CKA EBLK EBL 1
52 AIR TEMP AND PRESSURE CONT. EC 011111120
52 AIR TEMP AND PRESSURE CONT. EC MZB AAAAAAAAAA
52 CABIN AIR CONDITIONING ECA 003333100
52 CABIN AIR CONDITIONING ECA FCP AAAAAAAAAA
52 FLIGHT STATION AIR ECAA LCA 333333333
52 PUSH PULL CONTROL 41ADH ECAAH ECAA 7
52 FLEXIBLE DUCT ASSY 41AIL ECAAL ECAA 1
52 FILTER ASSY 41AEA ECAAZ ECAA 0
52 AIR CREW STATION AIR ECAB 000000000
52 PUSH PULL CONTROL 41ADH ECABH ECAB 7
52 DUCT ASSY FLEXIBLE 41ADI ECABL ECAB 1
52 HOT AIR MODULATOR AND DIST ECAC 555555555
52 AIR COND/PRESS CONT PNL 41AAA ECACA ECAC A
52 MUFFLER ASSY, CABIN AIR 41AAD ECACD ECAC 1
52 MODULATING VALVE 41AAE ECACE ECAC 8
52 DUCT ASSY, CABIN AIR 41ACL ECACEA ECAC 2
52 CHECK VALVE 4941Y ECACY ECAC 1
52 AUTO TEMP CONTROL ECAD ECAE 111111111
52 CABIN TEMP CONTROL PANEL 41AAB ECADR ECAD 1
52 SWITCH 41AAC ECADC ECAD A
52 CABIN TEMP REGULATOR 41AAG ECADG ECAD A
52 CABIN TEMP SENSING ELEMENT 41AAJ ECADJ ECAD 2
52 DUCT TEMP SENSING ELEMENT 41AAK ECADK ECAD 2
52 MANUAL TEMP CONTROL ECAE K ECAD AAAAAAAAAA
52 CABIN TEMP CONTROL PNL 41AAB ECAEB ECAE 1
52 SWITCH 41AAC ECAEC ECAE A
52 MANIFOLD AIR TEMP IND 51CJO ECAED ECAE 1
52 CABIN AIR TEMP IND 41AAF ECAEZ ECAE 1
52 COLD AIR DISTRIBUTION ECAF 333333333
52 COLD AIR DISTRIBUTION ECAF EMC 111111111
52 DUCT ASSY 41ACE ECAFE ECAF 1
52 DUCT ASSY 41ALL ECAFL ECAF 1
52 NORMAL COLD AIR SUPPLY ECAF ECAP 111111111
52 DRY AIR BYPASSED ECAH ECAG 000111000
52 WATER SEP. ASSY 41ADA ECAHA ECAH 1
52 WATER SEP. BYPASS CONTROL 41ADC ECAHC ECAH A
52 BYPASS VALVE 4941Z ECAHZ ECAH A

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FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222222233333333334444444444555555555566666666667777777777  
1234567890123456789012345678901234567890123456789012345678901234567890

52	AIR DRYING		ECAJ	ECAG		111000111
52	WATER SEPARATOR ASSY	41ADA	ECAJA	ECAG	5	
52	WATER SEPARATOR TPAP ASSY	41ADJ	ECAJJ	ECAG	1	
52	AIR COMPRESSION		ECAK	ECAG		AAAAAAAAA
52	PACK ASSY	41ACA	ECAKA	ECAG	1	
52	TURBINE FAN/AIR CYCLE MACH	41ACB	ECAKB	ECAG	A	
52	HEAT EXCHANGE		ECAL	ECAG		AAAAAAAAA
52	HEAT EXCHANGE		ECAL	MZBA		AAAAAAAAA
52	PACK ASSY	41ACA	ECALA	ECAL	1	
52	HEAT EXCHANGER	41ACC	ECALC	ECAL	A	
52	PACK ANTI ICING		ECAM	ECAG		FAAAAAAAAA
52	PACK ANTI ICING		ECAM	ECAG		33333333
52	ANTI-ICE VALVE	41ACL	ECAML	ECAM	A	
52	PACK ANTI ICE SENSOR	41ACM	ECAMM	ECAM	5	
52	PACK TEMP CONTROLLER	41ACN	ECAMN	ECAM	5	
52	ENVIR AIR DISTRIBUTION		ECAN	ECAG		511111111
52	ENVIR AIR DISTRIBUTION		ECAN	ECAG		FAAAAAAAAA
52	ENVIR AIR DISTRIBUTION		ECAN	ECAL		FAAAAAAAAA
52	ENVIR AIR DISTRIBUTION		ECAN	ECAM		FAAAAAAAAA
52	FWD AIR COND CONT PANEL	41AAA	ECANA	ECAN	A	
52	CATALYTIC ELEMENT FILTER	41ABB	ECANB	ECAN	1	
52	SHUTOFF VALVE	41AAD	ECAND	ECAN	A	
52	CABIN AIR PRESS. LIMITER A	41ACG	ECANG	ECAN	2	
52	EMERGENCY RAM AIR COND/PRES		ECAP	ECAG	K ECAG	22222222
52	RAM AIR SCOOP ASSY	41AEA	ECAPA	ECAP	2	
52	DUCT ASSEMBLY	41AEB	ECAPB	ECAP	2	
52	RAM AIR VALVE	41AEC	ECAPC	ECAP	A	
52	RAM AIR SUPPLY		ECAR	CZA		111111111
52	RAM AIR SUPPLY		ECAR	ECAL		AAAAAAAAA
52	RAM AIR COOLING AIR SCOOP	41ACD	ECARD	ECAR	5	
52	EXHAUST DUCT	41ACK	ECARK	ECAR	2	
52	RAM AIR COOLING DUCT	41ACR	ECARR	ECAR	2	
52	CABIN PRESSURIZATION		ECP	EC		001222100
52	NORMAL CABIN PRESS. CONTROL		ECPA	ECP	ECPB	111111111
52	CABIN PRESS REGULATOR	41CAA	ECPA	ECPA	5	
52	FWD AIR COND/PRESS CONT	41AAA	ECPAA	ECPA	1	
52	CABIN PRESS REG FILTER	41CAR	ECPAB	ECPA	0	
52	CABIN PRESS CHECK VALVE	41CAD	ECPAD	ECPA	1	
52	CABIN PRESS OUTFLOW VLV	41CAE	ECPAE	ECPA	1	
52	PRESS RELEASE SOL. VALVE	41CAH	ECPAF	ECPA	1	
52	EMERGENCY PRESS/DUMP		ECPB	ECP	K ECPA	AAAAAAAAA
52	CABIN PRESS DUMP VALVE	41CAC	ECPBC	ECPB	A	
52	SAFETY DUMP VALVE RELAY	41CAG	ECPBG	ECPB	1	
52	EMERG PRESS : DUMP CONT		ECP	ECAP		AAAAAAAAA
52	EMERG PRESS : DUMP CONT		ECP	ECPB		111111111
52	FWD AIR COND/PRESS CONT	41AAA	ECPCA	ECPB	1	
52	EMERG DUMP HANDLE	9941W	ECPCB	ECP	2	
52	NORMAL PRESS DUMP		ECPD	ECPB		000000000
52	MLG SAFETY SWITCH	13ACA	ECPDA	ECPD	A	
52	MLG SAFETY RELAY	13ADA	ECPDB	ECPD	A	

FLIGHT SAFETY PREDICTION TECHNIQUE

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000000111111111222222222333333333444444444555555555666666666777777777
1234567890123456789012345678901234567890123456789012345678901234567890
52 MANIFOLD DUCT 23LKC EFADE EFAD 1
52 ANTI-ICE AIR MANIFOLD 23LRD EFADF EFAD 1
52 POD RELAY 23LKF EFAUG EFAD 1
52G ANTI ICE VALVE LINE DUCT 23PUE EFADH EFAD 1
52G ANTI ICE AIR SHUTOFF VALVE 23PUF EFADJ EFAD A
52H ANTI ICE AIR SHUTOFF VALVE 23PXJ EFADK EFAD A
52H ANTI ICE SYS BRANCH DUCT 23PK EFADL EFAD 1
52 NACELLE ANTI-ICE VALVE 41GAW EFADM EFAD A
52H NACELLE SENSING ELEMENT 41GAX EFADN EFAD 1
52H NACELLE ANTI-ICE REGULATOR 41GAY EFADP EFAD 5
52 EMERG RAM AIRSCOOP ANTI-ICE EFAE ECAP A 111111111
52 ANTI-ICE VALVE 41ACL EFAEA EFAE 1
52 AGM 69A AIRSCOOP ANTI ICE EFAF MZA A 111111111
52 ANTI ICE SHUTOFF VALVE 41JAJ EFAFA EFAF A
52 COND AIR AIRSCOOP ANTI ICE EFAG ECAR A 111111111
52 ANTI ICE VALVE 41ACL EFAGA EFAG A
52 ANTI ICE AIR CONTROL EFAH EFAD AAAAAA
52 ANTI ICE AIR CONTROL EFAH EFAE AAAAAA
52 ANTI ICE AIR CONTROL EFAH EFAF FAIAAAAA
52 ANTI ICE AIR CONTROL EFAH EFAG AAAAAA
52 SWITCH 23LRE EFAHA EFAH A
52 ANTI ICE CONTROL PANEL 41GAA EFAHB EFAH 1
52 ENVIR/ANTI ICE AIR DIST EFAJ ECAN AAAAAA
52 ENVIR/ANTI ICE AIR DIST EFAJ EFAF FAIAAAAA
52 ENVIR/ANTI ICE AIR DIST EFAJ EFAG FAIAAAAA
52 ENVIR/ANTI ICE AIR DIST EFAJ MZA AAAAAA
52 NORMAL AIR CONTROL EFAK EFAJ 00000000
52 AIR COND/PRESS CONT PNL 41AAA EFAKA EFAK 1
52 ELECT CONT HEAT EXCHG 45DCA EFAKAZ EFAK 1
52 VALVE CROSSOVER 45DAA EFAKB EFAK 1
52 EJECTOR AIR VALVE 45DCB EFAKBZ EFAK 0
52 SWITCH 41AAC EFAKC EFAK A
52 AIR OUTLET DUCT 45DCC EFAKCZ EFAK 1
52 RAM AIR VALVE 45DCD EFAKDZ EFAK 1
52 COOLING AIR OUTLET DUCT 45DCE EFAKEZ EFAK 1
52 RATE OF CHG TEMP SENSOR 45DCF EFAKFZ EFAK 0
52 TEMP SENSOR 45DCG EFAKGZ EFAK 0
52H TEMP CONTROLLER 45DCH EFAKHZ EFAK 0
52 HEAT EXCHG CONT AIR INLET 45DCJ EFAKJZ EFAK 1
52 FLEXIBLE COOLING DUCT 45DCK EFAKKZ EFAK 1
52 COOLING DUCT EJECTK NOZLE 45DCL EFAKLZ EFAK 0
52 EJECTOR NOZL TUBE ASSY 45DCM EFAKMZ EFAK 0
52 3 WAY COOLING DUCT 45DCN EFAKNZ EFAK 1
52 COOLING AIR SHROUD 45DCP EFAKPZ EFAK 0
52 TEMP CONT COOLNG AIR DUCT 45DCQ EFAKQZ EFAK 0
52G PNEUMATIC CONT HEAT EXCHG 45DCR EFAKRZ EFAK 0
52 EJECTOR AIR VALVE 45DCS EFAKSZ EFAK 0
52 RAM AIR VALVE 45DCT EFAKTZ EFAK 1
52 RAM AIR EXHAUST DUCT 45DCU EFAKUZ EFAK 0
52 AIR BLEED ANTICIPATOR 45DCV EFAKVZ EFAK 0

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FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778  
1234567890123456789012345678901234567890123456789012345678901234567890

52	AIR BLEED THERMOSTAT	45DCW	EFAKWZ	EFAK	0	
52	RATE CONTROLLER	45DCX	FFAKXZ	EFAK	1	
52	EJECTOR TUBE	45LCY	FFAKYZ	EFAK	1	
52	ALTERNATE AIR CONTROL		FFAL	FFAJ		111111111
52	AIR COND/PRESS CONT PNL	41AAA	EFALA	EFAL	1	
52	SWITCH	41AAC	EFALB	FFAL	A	
52G	AIR SHUTOFF VALVE STRUT 3	23PUD	EFALC	EFAL	A	
52H	AIR SHUTOFF VALVE STRUT 3	23PXH	EFALD	FFAL	A	
52	STRUT BLEED VALVE	45DAB	EFALE	EFAL	A	
52	EMERGENCY AIR CONT		EFAM	FFAJ		K EFAL AAAAAAAAAA
52G	SHUTOFF VALVE STRUT 1	23PUD	EFAMA	EFAM	1	
52G	SHUTOFF VALVE STRUT 4	23PUD	EFAMB	EFAM	1	
52H	SHUTOFF VALVE STRUT 1	23PWD	EFAMC	EFAM	1	
52H	SHUTOFF VALVE STRUT 4	23PWD	EFAMD	EFAM	1	
52	STRUT BLEED VALVE	45DAB	EFAME	FFAM	1	
52	MANIFOLD AIR CONTROL		EFAN	FFAJ		AAAAAAAAAA
52	SWITCH	41AAC	EFANA	FFAN	A	
52	INDICATOR MANIFOLD TEMP	51CJA	FFANB	LFAN	1	
52	EMERGENCY ENVIRO EQUIPMENT		EG	F		X AAAAAAAAAA
52	FIRE EXTINGUISH BOTTLE 2E	49CAA	EGA	EG	3	
52H	ELECTRONIC EQUIP COOLING		EMC	CBHA		111111111
52	ELECTRONIC EQUIP COOLING		EMC	MAB		111111111
52	ELECTRONIC EQUIP COOLING		EMC	MR		111111111
52	DUCT ASSY ELECT. COOLING	41EBE	EMCA	EMC	1	
52	BLOWER TERRAIN COMPUTER	41EBE	EMCZZZ	EMC	1	
52	R.FWD RAM AIR COOLING		EMZ	MAB		111111111
52	DUCT ASSY ELECT COOLING	41EBE	EMZA	EMZ	1	
52	FLIGHT CONTROL		F			AAAAAAAAAA
52	LIFT AUGMENTATION		FA	F		000000000
52	FLAPS ACTUATED		FAA	FA		AAAAAAAAAA
52	UNIT POWER ASSY	14EBA	FAAA	FAA	A	
52	MOTOR #2EAK	14EBB	FAAB	FAA	2	
52	BRAKE #2EAK	14EBC	FAAC	FAA	2	
52	FLAPS CONTROLLED		FAB	FAA		AAAAAAAAAA
52	FLAPS CONTROLLED		FAB	FAC		FABAAAAAAA
52	FLAP CONTROL INSTALL	14EAO	FABA	FAB	8	
52	CONTROL SWITCHES #4EAK	14EAC	FABB	FAB	5	
52	EXT/RET RELAY #2EAK	42DAE	FABC	FAB	5	
52	EXT/RET RELAY #2EAK	42DAF	FABD	FAB	5	
52	FLAP LIMIT SWITCH #4EAK	14FBO	FABE	FAB	2	
52	FLAP POSITION WARNING		FAC	FAB		I FAC 010000000
52	FLAP WARN SW #8EAK	23NQD	FACA	FAC	1	
52	WARNING HORN	14EAG	FACB	FAC	A	
52	GROUND SQUAT RELAY	13ADA	FACC	FAC	A	
52	FLAP WARN LIMIT SW	14EBC	FACD	FAC	A	
52	MASTER CAUTION LIGHT	49DDU	FACE	FAC	1	
52	MASTER CAUTION CONTROLLER	49DDA	FACF	FAC	1	
52H	CENTRAL CAUTION PANEL	49DEH	FACG	FAC	1	
52H	CENTRAL CAUTION LIGHT	49DEJ	FACH	FAC	1	
52H	CENTRAL CAUTION CONTROLLER	49DEA	FACJ	FAC	1	

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FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890
52H CENTRAL CAUTION RELAY 49DEG FACK FAC 1
52 FLAP POSITION INDICATION FAD FAF I FAE 010000050
52 POSITION TRANSMITTERS 42< 51CAB FADA FAU 5
52 POSITION INDICATOR 40DUAL< 51CAA FADB FAU 8
52 FLAPS POSITIONED FAE FA AAAAAAAAAA
52 WING FLAPS POSITIONED LFAF FAD FAAAAAAAAAAA
52 WING FLAPS POSITIONED LFAF FAE AAAAAAAAAA
52 WING FLAPS POSITIONED RFAF FAD FAAAAAAAAAAA
52 WING FLAPS POSITIONED RFAF FAE AAAAAAAAAA
52 OVER SPEED BRAKE 14EDV LFAFA LFAF 1
52 OVER SPEED BRAKE 14FDV RFAGA RFAG 1
52 FLAP DRIVE TUBE 14ECO LFAFB LFAF A
52 FLAP DRIVE TUBE 14ECO RFAGB RFAG A
52 LINK DRIVE 14EDJ LFAFC LFAF A
52 LINK DRIVE 14EDJ RFAGC RFAG A
52 SHAFT SPLINED 14EDT LFAFD LFAF A
52 SHAFT SPLINED 14EDT RFAGD RFAG A
52 OUTBOARD FLAPS POSITIONED LFAF 555555555
52 OUTBOARD FLAPS POSITIONED RFAG RFAG 555555555
52 SCREW DRIVE ASSY 42EAK 14FDA LFAGA LFAG 2
52 SCREW DRIVE ASSY 42EAK 14EDA RFAGA RFAG 2
52 TRUNION DRIVESCREW 42EAK 14EDD LFAGB LFAG 2
52 TRUNION DRIVESCREW 42EAK 14EDD RFAGB RFAG 2
52 PLATE DRIVESCREW END 42EAK 14EDG LFAGC LFAG 2
52 PLATE DRIVESCREW END 42EAK 14EDG RFAGC RFAG 2
52 CARRIAGE ASSY 42EAK 14EDQ LFAGD LFAG 2
52 CARRIAGE ASSY 42EAK 14EDQ RFAGD RFAG 2
52 ROLLER ASSY 42EAK 14EDR LFAGE LFAG 2
52 ROLLER ASSY 42EAK 14EDR RFAGE RFAG 2
52 WHEEL ASSY 42EAK 14EDS LFAGF LFAG 2
52 WHEEL ASSY 42EAK 14EDS RFAGF RFAG 2
52 SWIVEL ASSY 42EAK 14EDU LFAGG LFAG 2
52 SWIVEL ASSY 42EAK 14EDU RFAGG RFAG 2
52 POST FLAP 42EAK 14EDW LFAGH LFAG A
52 POST FLAP 42EAK 14EDW RFAGH RFAG A
52 ADJ BOLT 42EAK 14EDX LFAGJ LFAG 0
52 ADJ BOLT 42EAK 14EDX RFAGJ RFAG 0
52 NUT/SCREW ASSY 42EAK 14EDY LFAGK LFAG 2
52 NUT/SCREW ASSY 42EAK 14EDY RFAGK RFAG 2
52 SCREW 42EAK 14ED1 LFAGL LFAG 2
52 SCREW 42EAK 14ED1 RFAGL RFAG 2
52 BEARING 42EAK 14ED2 LFAGM LFAG 2
52 BEARING 42EAK 14ED2 RFAGM RFAG 2
52 NUT 42EAK 14EDZ LFAGN LFAG 2
52 NUT 42EAK 14EDZ RFAGN RFAG 2
52 FLAP 14EHA LFAGP LFAG 1
52 FLAP 14EHA RFAGP RFAG 1
52 RIB 14EHB LFAGQ LFAG 1
52 RIB 14EHB RFAGQ RFAG 1
52 SPAR 14EMC LFAGR LFAG 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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52	SPAR		14EHC	RFAGR	RFAG	1
52	SPAR		14LHD	LFAGS	LFAG	1
52	SPAR		14LHL	RFAGS	RFAG	1
52	CARRIAGE ASSY		14EHE	LFAGT	LFAG	A
52	CARRIAGE ASSY		14EHF	RFAGT	RFAG	A
52	CARRIAGE		14EHF	RFAGU	RFAG	A
52	CARRIAGE		14EHF	RFAGU	RFAG	A
52	TRUCK		14EHG	LFAGV	LFAG	A
52	TRUCK		14EHG	RFAGV	RFAG	A
52	INBOARD FLAPS POSITIONED			LFAN	LFAN	66666666
52	INBOARD FLAPS POSITIONED			RFAN	RFAN	66666666
52	SCREW DRIVE ASSY	%2EAC	14EDA	LFANA	LFAN	2
52	SCREW DRIVE ASSY	%2EAC	14EDA	RFANA	RFAN	2
52	TRUNION	%2EAC	14EDD	LFANB	LFAN	2
52	TRUNION	%2EAC	14EDD	RFANB	RFAN	2
52	PLATE	%2EAC	14ELC	LFANC	LFAN	2
52	PLATE	%2EAC	14EDG	RFANC	RFAN	2
52	CARRIAGE ASSY	%2EAC	14EDQ	LFAND	LFAN	2
52	CARRIAGE ASSY	%2EAC	14EDQ	RFAND	RFAN	2
52	ROLLER	%2EAC	14EDR	LFANE	LFAN	2
52	ROLLER	%2EAC	14ELR	RFANE	RFAN	2
52	WHEEL	%2EAC	14EDS	LFANF	LFAN	2
52	WHEEL	%2EAC	14EDS	RFANF	RFAN	2
52	POST,FLAP	%2EAC	14EDW	LFANG	LFAN	A
52	POST,FLAP	%2EAC	14EDW	RFANG	RFAN	A
52	ADJ BOLT	%2EAC	14ELX	LFANH	LFAN	0
52	ADJ BOLT	%2EAC	14EDX	RFANH	RFAN	0
52	NUT/SCREW ASSY	%2EAC	14EDY	LFANHJ	LFAN	2
52	NUT/SCREW ASSY	%2EAC	14EDY	RFANHJ	RFAN	2
52	SCREW	%2EAC	14ED1	LFANH	LFAN	2
52	SCREW	%2EAC	14ED1	RFANH	RFAN	2
52	BEARING	%2EAC	14ED2	LFANL	LFAN	2
52	BEARING	%2EAC	14ED2	RFANL	RFAN	2
52	NUT	%2EAC	14EDZ	LFANM	LFAN	2
52	NUT	%2EAC	14EDZ	RFANM	RFAN	2
52	SWIVEL	%2EAC	14EDU	LFANH	LFAN	2
52	SWIVEL	%2EAC	14EDU	RFANH	RFAN	2
52	FLAP		14EEA	LFANP	LFAN	1
52	FLAP		14EEA	RFANP	RFAN	1
52	RIB		14EFR	LFANQ	LFAN	1
52	RIB		14EFR	RFANQ	RFAN	1
52	SPAR		14EFC	LFANR	LFAN	1
52	SPAR		14EFC	RFANR	RFAN	1
52	SPAR		14ELD	LFANS	LFAN	1
52	SPAR		14ELD	RFANS	RFAN	1
52	CARRIAGE ASSY		14EEE	LFANT	LFAN	A
52	CARRIAGE ASSY		14EEE	RFANT	RFAN	A
52	CARRIAGE		14EEF	LFANU	LFAN	A
52	CARRIAGE		14EEF	RFANU	RFAN	A
52	TRUCK		14EEG	LFANV	LFAN	A

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FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111111122222222223333333333334444444444555555555555666666666677777777778  
12345678901234567890123456789012345678901234567890123456789012345678901234567890

	14EEG	KFAHV	KFAH	A
52 TRUCK		FB	F	010000030
52 YAW CONTROL		FBA	FB	A4AAAAAAA
52 RUDDER POSITIONED				
52 RUDDER ASSY	14FGA	FBAA	FBA	1
52 PANEL BALANCE	14HGE	FBAB	FBA	0
52 RUDDER SKIN	14PKA	FBAC	FBA	0
52 RUDDER SKIN	14BKB	FBAD	FBA	0
52 RUDDER SKIN	14AKC	FBAE	FBA	0
52 RUDDER SKIN	14BKD	FBAF	FBA	0
52 RUDDER SKIN	14BKE	FBAG	FBA	0
52 RUDDER SKIN	14BKF	FBAH	FBA	0
52 RUDDER SKIN	14BKG	FBAJ	FBA	0
52 RUDDER SKIN	14BKH	FBAK	FBA	0
52 HINGE ACCESS DOORS	14BKK	FBAL	FBA	0
52 CONTROL ACCESS DOORS	14PKL	FBAM	FBA	0
52 TAB ASS RUDDER CONTROL	14BCJ	FBAN	FBA	2
52 TAB ASS RUDDER STAR	14BGM	FBAP	FBA	2
52 DAMPER ASSY MAGNETIC	14EEA	FBAQ	FBA	2
52 RUDDER ACTUATION		FBB	FBA	AAAAAAA44
52 ACTUATOR ASSY RUDDER	14FBG	FBBA	FBB	A
52 MECHANICAL CONTROL		FBC	FBB	AAAAAAA44
52 LEVER ASSY KATION	14FRA	FBCA	FBC	A
52 BELLCRANK ASSY, LOWER FIN	14FBF	FBCB	FBC	A
52 BELLCRANK ASSY UPPER FIN	14FBB	FBCD	FBC	A
52 CABLE ASSY FIN	14FRE	FBCD	FBC	A
52 LINK ASSY ROD AFT	14FBC	FBCD	FBC	A
52 LINK ASSY ROD FWD	14FBD	FBCD	FBC	A
52 RUDDER TORQUE SHAFT INSTALL	14BCO	FBCG	FBC	A
52 RUDDER TRIM		FBD	FBC	000000000
52 CABLE ASSY RTA	14BBE	FBD	FBD	A
52 CABLE ASSY RTB	14BBF	FBD	FBD	A
52 BELLCRANK ASSY Q-SPRING	14FAB	FBD	FBD	5
52 TRIM ACTUATOR	14BFF	FBD	FBD	A
52 TRIM CONTROL WHEEL ASSY	14BFO	FBD	FBD	1
52 AUTOPILOT CONTROL		FBE	FBC	001111110
52 CABLE ASSY RUDDER SERVO	14BBJ	FBEA	FBE	A
52 RUDDER SERVO INSTALL	52DCO	FBEF	FBE	8
52 MOTOR/DRIVE ASSY	52DCA	FBEF	FBE	A
52 DRUM/BRAKET ASSY	52DCB	FBEF	FBE	A
52 RUDDER PEDAL CONTROL		FBF	FBC	0A99999A0
52 TENSION REGULATOR	14BCB	FBFA	FBF	5
52 CABLE ASSY RA	14BBC	FBFB	FBF	A
52 CABLE ASSY RB	14BBU	FBFC	FBF	A
52 CABLE ASSY RBA	14BBB	FBFD	FBF	A
52 CABLE ASSY RBB	14BBA	FBFE	FBF	A
52 PEDAL ASSY 2EAC	14BAA	FBFF	FBF	1
52 BEAM ASSY 2EAC	14BAB	FBFG	FBF	1
52 ARM ASSY 2EAC	14BAC	FBFH	FBF	1
52 AIRCREW ACTION		FBG	FBF	AAAAAAA44
52 ARTIFICIAL FEEL		FBI	FBG	111111111

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FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890
52  CABLE ASSY Q-SPRING      14FCF  FBHA      FBH      5
52  Q-SPRING ASSY           14FCH  FBHB      FBH      5
52  STOPS-ADJUSTABLE        14FAA  FBHC      FBH      0
52  BELLCRANK ASSY Q-SPRING  14FAB  FBHD      FBH      5
52  LEVER ASSY FEEL          14FAC  FBHE      FBH      5
52  BRACKET ASSY FEEL        14FAD  FBHF      FBH      5
52  CABLE ASSY FEEL          14FAE  FBHG      FBH      5
52  SPRING ASSY FEEL         14FAF  FBHH      FBH      5
52  Q-SPRING ANTI ICE        FBHZ      FBH      A      883888888
52  Q-SPRING ANTI ICE        FBHZ      FBH      A      883888888
52  HEATER Q-SPRING INLET    41GAC  FBHZA     FBHZ      4
52  RELAY-SQUAT SWITCH K283  13ADA  FBHZR     FBHZ      1
52  SWITCH Q-SPRING HEAT     41GAA  FBHZA     FBHZ      A
52  ELECTRICAL CONTROL      FBH      FBH      111111111
52  SAS YAW SIGNAL PROCESS   FBJA      FBH      AAAAAAAAA
52  SAS YAW SIGNAL PROCESS   FBJA      FBH      FAAAAAAAA
52  YAW INSTALLATION         14FNO  FBJAA     FBJA      8
52  YECU                      14FNA  FBJAB     FBJA      8
52  MODULE                    14FNB  FBJAC     FBJA      A
52  MOUNT                     14FNC  FBJAD     FBJA      0
52  PARAMETER SCHEDULING     FBJB      FBJA      AAAAAAAAA
52  PARAMETER INSTALLATION   14FNC  FBJBA     FBJB      8
52  UNIT PARAMETER SKED      14FNA  FBJBB     FBJB      8
52  MODULE                    14FNB  FBJBC     FBJB      A
52  PRESSURE SENSOR          14FNC  FBJBD     FBJB      A
52  MOUNT                     14FND  FBJBE     FBJB      0
52  PITOT/STATIC SENSING     FBJC      FBJB      AAAAAAAAA
52  SAS PITOT/STATIC INSTALL  14FQC  FBJCA     FBJC      8
52  PITOT TUBE                14FQA  FBJCB     FBJC      8
52  VALVE ASSY PITOT MANIFOLD 14FQC  FBJCC     FBJC      1
52  YAW RATE SENSING          FBJD      FBJA      AAAAAAAAA
52  UNIT,RATE SENSOR          14FKA  FBJDA     FBJD      8
52  GYRO                      14FKE  FBJDB     FBJD      A
52  SENSOR INSTALLATION      14FKO  FBJDC     FBJD      8
52  ACCELERATION SENSING     FBJE      FBJA      AAAAAAAAA
52  ACCEL UNIT INSTALL        14FLO  FBJEA     FBJE      8
52  UNIT,ACCEL                14FLA  FBJEB     FBJE      8
52  ACCELEROMETER            14FLB  FBJEC     FBJE      A
52  MODULE                    14FLC  FBJED     FBJE      A
52  MOUNT                     14FLD  FBJEE     FBJE      1
52  YAW DISENGAGE WARNING    FBJF      FBJ      I FBJA  888888883
52  LIGHT ASSY CHANNEL OUT    14FRA  FBJFA     FBJF      1
52  LIGHT ASSY YAW OFF        14FRA  FBJFB     FBJF      1
52H  CENTRAL CAUTION PANEL    49DEH  FBJFC     FBJF      1
52H  CENTRAL CAUTION LIGHT    49DEJ  FBJFD     FBJF      1
52H  CENTRAL CAUTION CONTROL  49DEA  FBJFE     FBJF      1
52H  CENTRAL CAUTION RELAY    49DEG  FBJFF     FBJF      1
52  PITOT ANTI-ICE           FBJG      FBJC      A      AAAAAAAAA
52  HEATER PITOT TUBE         14FOR  FBJGA     FBJG      A
52  YAW CHANNEL SWITCH        14FRD  FBJZ      FBJ      A

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# FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 HYDRAULIC POWER SUPPLIED FBK FBK AAAAAAAAAA
52 HYDRAULIC POWER SUPPLIED FBK FCB AAAAAAAAAA
52 SYSTEM PRESSURE %EA OF 2K FBKA FBK 111111111
52 SYSTEM PRESSURE %EA OF 2K FBKA FBKM FAAAAAAAAA
52 FILTER ASSY 14FF1 FBKAA FBKA 1
52 ELEMENT 14FF2 FBKAB FBKA 0
52 INDICATOR 14FF3 FBKAC FBKA 0
52 ACCUMULATOR 14FGG FBKAD FBKA 1
52 GAGE 14FGH FBKAF FBKA 0
52 VALVE AIR CHARGE 14FGJ FBKAF FBKA 0
52 NORMAL PRESSURE FBKB FBKA FBKL 111111111
52 NORMAL PRESSURE FBKB FBKJ FAAAAAAAAA
52 PUMP MOTOR ASSY 14FFA FBKBA FBKB A
52 CHECK VALVE 14FFF FBKBB FBKB 1
52 FLUID SUPPLY/RETURN FBKC FBKB AAAAAAAAAA
52 RESERVOIR ASSY 14FFT FBKCA FBKC 8
52 VALVE RES FILL 14FFU FBKCB FBKC 1
52 VALVE AIR BLEED 14FFV FBKCC FBKC 0
52 VALVE RELIEF 14FFW FBKCD FBKC 1
52 VALVE LOW PRESS RELIEF 14FFX FBKCE FBKC 1
52 VALVE HI PRESS RELIEF 14FFY FBKCF FBKC 2
52 VALVE RETURN LINE CHECK 14FFZ FBKCG FBKC 1
52 FILTER ASSY RETURN LINE 14FGA FBKCH FBKC 1
52 FILTER ELEM 14FGB FBKCJ FBKC 0
52 FILTER INDICATOR 14FGC FBCKK FBKC 0
52 FLUID COOLED FBKD FBKC 111111111
52 COOLER HYD OIL 14FGL FBKDA FBKD 8
52 VALVE COOLER BYPASS 14FGM FBKDB FBKD 5
52 DUCT ASSY 14FGZ FBKDC FBKD 0
52 RAM AIR COOLING FBKE FBKD OAAAAAAAAA
52 FLAPPER ASSY 14FGW FBKEA FBKE 0
52 VALVE ASSY 14FGV FBKEB FBKE 1
52 GROUND COOLING FBKF FBKD A0000000A
52 BLOWER ASSY 14FGR FBKFA FBKF A
52 SQUAT RELAY 13ADA FBKFB FBKF A
52 CONTROL FBKG FBKB AAAAAAAAAA
52 SYSTEM CONTROL SWITCH 45CAA FBKGA FBKG A
52 PILOT ACTION FBKH FBKG AAAAAAAAAA
52 NORMAL PRESSURE WARNING FBKJ FBKH 111111111
52 NORM PRESSURE SWITCH 14FFE FBKJA FBKJ A
52 WARNING LIGHT MAIN 45CAA FBKJB FBKJ 1
52 MASTER CAUTION LIGHT 490DD FBKJC FBKJ 1
52 CONTROLLER MASTER CAUTION 490DA FBKJD FBKJ 1
52H PANEL CENTRAL CAUTION 49DEH FBKJE FBKJ 1
52H INDICATOR LIGHT ASSY 49DEJ FBKJF FBKJ 1
52H CONTROLLER CENT CAUTION 49DEA FBKJG FBKJ 1
52H RELAY CENTRAL CAUTION 49DEG FBKJH FBKJ 1
52 DIMMING UNIT 44BAA FBKJJ FBKJ 1
52 AUX PRESSURE WARNING FBKK FBKK I FBKL 111111111
52 AUX PRESSURE SWITCH 14FFR FBKKA FBKK A

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FLIGHT SAFETY PREDICTION TECHNIQUE

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12345678901234567890123456789012345678901234567890123456789012345678901234567890
52  WARN LIGHT AUX          45CAA FBKKB FBKK A
52  DIMMING UNIT           44FAA FBKKC FBKK A
52  AUX PRESSURE PROVISORY FBKKK FBKA K FBKP AAAAAAAAAA
52  AUX PRESSURE           FBKL FBKA K FBKB AAAAAAAAAA
52  AUX PRESSURE           FBKL FBKK FAAAAAAAAA
52  TRANSFORMER ASSY HYD  14FFG FBKLA FBKL A
52  PUMP                   14FFH FBKLB FBKL A
52  MOTOR                  14FFJ FBKLC FBKL A
52  VALVE                  14FFP FBKLD FBKL A
52  BRACKET               14FFQ FBKLE FBKL 0
52  CHECK VALVE           14FFS FBKLF FBKL 1
52  SYSTEM PRESSURE DETECTED FBKM FCK I FBKA 555555555
52  SWITCHPRESS HYD SYS MONITOR 14FFG FBKMA FBKM A
52  YAW ENGAGED           FBS FBF AAAAAAAAAA
52  YAW ENGAGED           FBS FBSN FAAAAAAAAA
52  YAW SERVO CONTROL     FBSA FBS AAAAAAAAAA
52  YAW SERVO CONTROL     FBSA FBJ FAAAAAAAAA
52  SERVO CONTROL         52ABX FBSAA FBSA A
52  AUTOPILOT REL BUTTON42< 52AAM FBSAAA FBS 1
52  AUTOPILOT OFF/ON SW  52AAD FBSAAB FBS A
52  YAW SERVO AMP         52ABE FBSAB FBSA A
52  FOLLOWUP SERVO        52ABK FBSAC FBSA A
52  FOLLOWUP AMP          52ABG FBSAD FBSA A
52  YAW SERVO ENGAGE SW  52AAC FBSAE FBSA A
52  SERVOS OFF ON SW     52AAD FBSAF FBSA A
52  YAW SIGNAL PROCESSING FBSB FBSA AAAAAAAAAA
52  MAIN AMP              52ABE FBSBA FBSB A
52  MOUNT                 52ABN FBSBB FBSB 0
52  JUNCTION BOX         52ABK FBSBC FBSB A
52  JUNCTION BOX         52ABS FBSBD FBSB A
52  RELAY BOX            52ABT FBSBF FBSB A
52  POWER CONVERTER      52ABZ FBSBF FBSB A
52  CONTROL COMMAND      52ABD FBSBG FBSB A
52  PARAMETER CONTROL    52ABW FBSBH FBSB 1
52  HEADING REFERENCE    FBSB FBSB AAAAAAAAAA
52  YAW COMMANDS         FBSD FBSB 555555555
52  LOCALIZER CONTROL    FBSE FBSD 000000110
52  AMP AUTO APPROACH    52ABA FBSEA FBSE A
52  AUTO LOCALIZER SW    52AAD FBSEB FBSE A
52  FLIGHT CONTROLLER    FBSE FBSD 011111110
52  YAW CONTROL KNOB     52AAA FBSEF FBSE A
52  TURN COORDINATION    FBSE FBSD 011111110
52  CONTROL COORDINATION 52ABV FBSHA FBSH A
52  SERVO COORD INTEGRATOR 52ABH FBSHB FBSH A
52  BNS CONTROL          FBSJ FBSD 000010000
52  SWITCH TURN CONTROL SELECT 52AAE FBSJA FBSJ A
52  COUPLER BOMBING      52ABM FBSJB FBSJ A
52  AFCS DISENGAGE WARN  FBSN FBG I FBS 111111111
52G AUTOPILOT DISENGAGE LIGHT 9952A FBSN FBG A
52H AUTOPILOT DISENGAGE LIGHT 49DEJ FBSNB FBSN 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890
52H PANEL 49DFH FBSNC FBSN 0
52H CONTROLLER 49LEA FBSND FBSN 1
52H RELAY 49DFG FBSNE FBSN 1
52H MASTER CAUTION LIGHT 49DDO FBSNF FBSN 1
52H MASTER CAUTION CONTROLLER 49CDB FBSNG FBSN 1
52 PITCH CONTROL FC F 0AAAAAAAO
52 ELEVATOR PITCH CONTROL FCA FC C64262630
52 VORTEX GEN 14DNA FCAN FCA 0
52 ELEVATORS POSITIONED FCB FCA AAAAAAAAO
52 LEFT/RIGHT ELEV POSIT LFCC FCB 777777777
52 LEFT/RIGHT ELEV POSIT RFCC FCB 777777777
52 ELEVATOR ASSY 14CEA LFCCA LFCC 8
52 ELEVATOR ASSY 14CEA RFCCA RFCC 8
52 BALANCE PANEL 14CEE LFCCB LFCC 1
52 BALANCE PANEL 14CEE RFCCB RFCC 1
52 TAB ASSY 14CEH LFCCC LFCC 0
52 TAB ASSY 14CEH RFCCC RFCC 0
52 ACTUATOR ASSY 14FCG LFCCD LFCC A
52 ACTUATOR ASSY 14FCG RFCCD RFCC A
52 BELLCRANK 14FCA LFCCF LFCC A
52 BELLCRANK 14FCA RFCCF RFCC A
52 BELLCRANK ACTUATOR 14FCF LFCCF LFCC A
52 BELLCRANK ACTUATOR 14FCF RFCCF RFCC A
52 LINK ASSY 14FCF LFCCG LFCC A
52 LINK ASSY 14FCF RFCCG RFCC A
52 LINK ASSY CONTROL ROD 14FCD LFCCH LFCC A
52 LINK ASSY CONTROL ROD 14FCD RFCCH RFCC A
52 CABLE ASSY 14FCB LFCCJ LFCC A
52 CABLE ASSY 14FCB RFCCJ RFCC A
52 BELLCRANK ASSY 14FCC LFCCK LFCC A
52 BELLCRANK ASSY 14FCC RFCCK RFCC A
52 ELEVATORS CONTROLLED FCD FCA AAAAAAAAO
52 MECHANICAL CONTROL FCE FCD AA99999AA
52 ELEVATOR QUADRANT ASSY 14CCO FCEA FCE 8
52 ELEVATOR AFT LINKAGE ASSY 14CDO FCEB FCE 8
52 DAMPER ASSY ELEV GUST 14COC FCEC FCE 1
52 CONTROL COLUMN INPUT FCF FCE AA99999AA
52 CONTROL COLUMN INPUT FCF FCH FAAAAAAAO
52 CONTROL COLUMN INPUT FCF FCSF FAAAAAAAO
52 FORWARD LINKAGE INSTALL 2E14CAO FCF FCF 2
52 CABLE ASSY ELEV PUS 2EA 14CBA FCFB FCF 2
52 CABLE ASSY ELEV BUS 2EA 14CBB FCFB FCF 2
52 CABLE ASSY ELEV CONTROL 214CBC FCFD FCF 2
52 CABLE ASSY ELEV CONTROL 214CBD FCFE FCF 2
52 CONTROL COLUMN INSTALL 2E14AAO FCFG FCF 1
52 COLUMN ASSY 14AAA FCFH FCF 1
52 DISCONNECT ASSY 14AAF FCFJ FCF 1
52 PILOT ACTION FCG FCF AAAAAAAAO
52 ARTIFICIAL FEEL FCH FCF 111111111
52 CABLE ASSY Q SPRING 14CCD FCHA FCH A

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PGG95.JIR1 DATE = 10/16/75

## FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222222233333333444444445555555566666666777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 Q-SPRING ASSY 14CCE FCHB FCH 5
52 MECH ASSY 14CCJ FCHC FCH A
52 TENSION REGULATOR 14CCB FCHD FCH 1
52 CABLE COMP SPRING 14CCK FCHJ FCH 1
52 AUTOPILOT INPUT FCI FCE 001111110
52 CABLE ASSY ELEV SERVO 14CRG FCJA FCJ A
52 ELEVATOR SERVO INSTALL 52DAG FCJB FCJ A
52 MOTOR/DRIVE ASSY 52DAA FCJC FCJ A
52 BRUM/BACKET ASSY 52DAB FCJD FCJ A
52 ELECTRICAL CONTROL FCK FCD 001111110
52 SAS PITCH SIGNAL PROCESS FCKA FCK AAAAAAAA
52 SAS PITCH SIGNAL PROCESS FCKA FCKC FAAAAAAA
52 PECU INSTALLATION 14FPC FCKAA FCKA 8
52 PECU 14FPA FCKAB FCKA 8
52 MODULE 14FPB FCKAC FCKA A
52 SAS PITCH RATE SENSING FCKB FCKA AAAAAAAA
52 UNIT RATE SENSOR 14FKA FCKBA FCKB A
52 GYRO 14FKB FCKBB FCKB A
52 UNIT INSTALLATION 14FKC FCKBC FCKB 8
52 PITCH DISENGAGE WARNING FCKC FCKA I FCKA 888888888
52 LIGHT ASSY, CHANNEL OUT 14FKA FCKCA FCKC 1
52B LIGHT ASSY PITCH OFF 14FRA FCKCB FCKC 1
52H CENTRAL CAUTION PANEL 49DEH FCKCC FCKC 1
52H CENTRAL CAUTION LIGHT 49DEJ FCKCD FCKC 1
52H CENTRAL CAUTION CONTROLLER 49DEA FCKCE FCKC 1
52H CENTRAL CAUTION RELAY 49DEG FCKCF FCKC 1
52 PITCH CHANNEL SWITCH 14FKD FCKZ FCK A
52 STABILIZER PITCH CONTROL FCL FC 222222222
52 STABILIZER POSITIONED FCM FCL AAAAAAAA
52 HORIZ STAB ASSY 14LEA FCMA FCM 8
52 HINGE ASSY 14LEB FCMB FCM 3
52 SUPPORT ASSY 14LEC FCMC FCM 1
52 SUPPORT ASSY 14LED FCMD FCM 1
52 SUPPORT ASSY 14LEE FCM E FCM 1
52 SUPPORT ASSY 14LEF FCMF FCM 1
52 SUPPORT ASSY 14LEG FCMG FCM 1
52 SUPPORT ASSY 14LEH FCMH FCM 1
52 SUPPORT ASSY 14LEJ FCMJ FCM 1
52 SUPPORT ASSY 14LEK FCMK FCM 1
52 FITTING STAB SCREW 14LEL FCM L FCM 5
52 SEAL 14DMO FCM M FCM 0
52 ELEV ACCESS DOOR 14DKB FCM P FCM 0
52 FLAPE ACCESS DOOR 14DKH FCM Q FCM 0
52 STAB HINGE ACCESS DOOR 14DKD FCM P FCM 0
52 ELEV BALANCE ACCESS DOOR 14DKE FCM S FCM 0
52 ELEV BAL PANEL DOOR 14DKF FCM T FCM 0
52 TRIM MECHANISM ASSY. 14DDA FCM V FCM 1
52 MOTOR STAB TRIM #2EAK 14DDH FCM W FCM 1
52 ACTUATOR HYD BRAKE #2EAK 14DDC FCM X FCM 1
52 VALVE, METERING #2EAK 14DDU FCM Y FCM 1

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PG095.JIR1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52  STABILIZER ICE FREE          FCN          FCM      A      111111111
52  THERMOSTAT UNIT              9914B      FCNA         FCN          8
52  HEATING ELEMENTS             9914C      FCNB         FCN          A
52  STABILIZER CONTROLLED        FCP          FCL          AAAAAAAAAA
52  ELECTRIC TRIM                FCQ          FCP          FCR      333333333
52  MOTOR STAB TRIM ELECTRIC 140DH      FCOA         FCQ          A
52  ACTUATOR STAB TRIM ELECTRIC 140DG      FCQB         FCQ          A
52  TRIM SWITCHES 2EAK          140DA      FCQC         FCQ          5
52  SWITCH STAB TRIM CUT OUT 140AB      FCQD         FCQ          0
52  MANUAL TRIM                 FCR          FCP      K FCO  AA222225A
52  AISLE STAND CONTROL         140BO      FCRA         FCR          1
52  CHAIN                        140BC      FCRB         FCR          A
52  CABLE ASSY                  140CA      FCRC         FCR          A
52  CABLE ASSY                  140CB      FCRD         FCR          A
52  PITCH ENGAGED               FCS          FCJ          AAAAAAAAAA
52  PITCH ENGAGED               FCS          FCSA         FAAAAAAAAAAA
52  PITCH ENGAGED               FCS          FCT          FAAAAAAAAAAA
52  DISENGAGED WARNING          FCSA         FCG      I FCS  001111580
52G AP DISENGAGE LIGHT          44BKA      FCSAA        FCSA         A
52H AP DISENGAGE LIGHT          49DEJ      FCSAB        FCSA         1
52H PANEL CENT CAUTION          49DEH      FCSAC        FCSA         0
52H CONTROLLER CENT CAUTION     49DEA      FCSAD        FCSA         1
52H RELAY CENT CAUTION          49DEG      FCSAE        FCSA         1
52H LIGHT MASTER CAUTION        49DDO      FCSAF        FCSA         1
52H CONTROLLER MASTER CAUTION   49DOB      FCSAG        FCSA         1
52  AUTOPILOT REL BUTTON 2K     52AAH      FCSAX        FCS          1
52  PITCH SIGNAL PROCESSING      FCSB        FCS          AAAAAAAAAA
52  SERVO CONTROL                52ABX      FCSBA        FCSB         A
52  PITCH SERVO AMP              52ABE      FCSBB        FCSB         A
52  FOLLOWUP SERVO                52ABK      FCSBC        FCSB         A
52  PITCH INTEGRATOR             52ABJ      FCSBD        FCSB         A
52  FOLLOWUP AMP                  52ABG      FCSBE        FCSB         A
52  MAIN AMP                      52ABB      FCSBF        FCSB         8
52  MOUNT MAIN AMP               52ABN      FCSBG        FCSB         0
52  JUNCTION BOX                 52ABR      FCSBH        FCSB         A
52  JUNCTION BOX                 52ABS      FCSBJ        FCSB         A
52  RELAY BOX                     52ABT      FCSBK        FCSB         A
52  POWER CONVERTER              52ABZ      FCSBL        FCSB         A
52  CONTROL COMMAND              52ABD      FCSBM        FCSB         A
52  PITCH GYRO/VERT.             52ACA      FCSBN        FCSB         A
52  GYRO MOUNT                   52ACB      FCSBP        FCSB         1
52  OFF/ON SWITCH                52AAD      FCSBX        FCS          A
52  ALTITUDE CONTROL             FCSC        FCSB         000111000
52  ALT RATE AMP                 52ABF      FCSCA        FCSC         A
52  CONTROL, ALT                 52ABU      FCSCB        FCSC         A
52  ALT CONTROL SWITCH           52AAD      FCSCC        FCSC         A
52  PITCH SERVO ENGAGE SW        52AAC      FCSCX        FCS          A
52  GLIDESLOPE CONTROL           FCSD        FCSB         000000250
52  AMP, AUTO APPROACH           52ABA      FCSDA        FCSD         A
52  GEN, AUTO APPROACH RATE      52AB1      FCSDB        FCSD         A

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PGG 95.J181 DATE = 10/16/79

FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111122222222333333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 APP GLIDESLOPE SWITCH 52AAE FCSDC FCSO A
52 SERVOS ENGAGE SW 52AFD FCSOX FCS A
52 FLIGHT CONTROLLER FCSF FCSH 111111111
52 PITCH KNOB 52AAA FCSFA FCSF A
52 STEERING TIE-IN FCSF FCSB 000111000
52 STEER COUPLER 52FAA FCSFA FCSF A
52 PITCH MODULE 52BAC FCSFC FCSF A
52 RELAY ASSY 52EAD FCSFD FCSF A
52 ACCELEROMETER 52BAE FCSFE FCSF 5
52 TRANSDUCER PITCH FORCE 52<52FAH FCSFH FCSF 5
52 STEER COUPLER INSTALL 52BAO FCSFJ FCSF 8
52 PITCH SAFETY MONITOR FCSG FCSB 111111111
52 AMP SAFETY 52ABC FCSGA FCSG A
52 RECEIVER SYNCHED ACCEL 52ACC FCSGB FCSG A
52 TRANSMITTER 52ACG FCSGC FCSG A
52 FORCE LINK ASSY 52< 52BAJ FCSGD FCSG 2
52 AUTOPILOT TRIM FCT FCP 000000000
52 CABLE ASSY 1400E FCTA FCT A
52 STAB TRIM SERVO INSTALL 5200C FCTR FCT 3
52 MOTOR/DRIVE ASSY 5200A FCTC FCT A
52 DRUM/BRACKET ASSY 5200B FCTD FCT A
52 ROLL/SPEED CONTROL FD F 000000000
52 SPOILERS CONTROLLED FDA FD 000000000
52 SPEEDBRAKE CONTROL FDB FDA 000000010
52 ACTUATORS #4 EAC 14AJB FDBA FDB 3
52 CONTROL INSTALL 14AMC FDBB FDB 8
52 SWITCH ASSY 14AMC FDBC FDB 2
52 TRIM INPUT FDC FDA 011111110
52 TRIM INPUT FDC FDU FAAAAA
52 SWITCH TRIM CONTROL 52< 14ADA FDCA FDC 2
52 TRIM ACTUATOR 14ADD FDCB FDC A
52 LAT TRIM RELAYS 14ADG FDCC FDC A
52 TRIM CUTOFF SW 14ADG FDCD FDC 5
52 CABLE ASSY 14AFK FDCE FDC A
52 CABLE ASSY 14ABL FDCF FDC A
52 TRIM INDICATION FDD FDC 000000000
52 TRIM INDICATOR 51CCA FDDA FDD 8
52 TRIM TRANSMITTER 51CCE FDDR FDD A
52 CONTROL WHEEL INPUT FDE FDA JA99999A0
52 CONTROL WHEEL INPUT FDE FDQ FAAAAA
52 CONTROL COLUMN INSTALL 52<14AAC FDEA FDE 1
52 COLUMN ASSY 52< 14AAA FDEB FDE 1
52 DISCONNECT ASSY 14AAF FDEC FDE 1
52 CABLE ASSY 14ABC FDED FDE A
52 CABLE ASSY 14ABD FDEE FDE A
52 CABLE ASSY 14ABJ FDEF FDE A
52 TENSION REG ASSY 52< 14ABZ FDEG FDE 2
52 AUTOPILOT INPUT FDF FUA 001111120
52 LATERAL CONTROL SERVO INST 52DBO FDF FDF 8
52 MOTOR/DRIVE ASSY 52LBA FDFB FDF A

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FLIGHT SAFETY PREDICTION TECHNIQUE

52	DRUM/BRAKET ASSY	52DEB	FDFC	FDF	A
52	ROLL ENGAGED		FDG	FDF	AAAAAAAAAA
52	ROLL ENGAGED		FDG	FDF	AAAAAAAAAA
52	AUTUPILOT REL BUTTON%2<	52AAH	FDGA	FDF	1
52	OFF/ON SW	52AAD	FDGB	FDF	A
52	ROLL SERVO ENGAGE SW	52AAC	FDGC	FDF	A
52	SERVO ENGAGE SW	52AAD	FDGD	FDF	A
52	DISENGAGE WARNING		FDH	FDE	1 FDF 11111111
52H	AUTUPILOT DISENGAGE LIGHT	9952A	FDHA	FDH	A
52H	CENTRAL CAUTION LIGHT	49LEJ	FDHB	FDH	1
52H	CENTRAL CAUTION PANEL	49DEH	FDHC	FDH	1
52H	CENTRAL CAUTION CONTROLLER	49DEA	FDHD	FDH	1
52H	MASTER CAUTION LIGHT	49DDO	FDHE	FDH	1
52H	MASTER CAUTION CONTROLLER	49DDB	FDHF	FDH	1
52H	CENTRAL CAUTION RELAY	49DEG	FDHG	FDH	1
52	ROLL SIGNAL PROCESSING		FDJ	FRSH	AAAAAAAAAA
52	ROLL SIGNAL PROCESSING		FDJ	FDF	AAAAAAAAAA
52	MAIN AMP	52ABB	FDJA	FDJ	A
52	CONTROL COMMAND	52ABD	FDJB	FDJ	A
52	ROLL SERVO AMP	52ABE	FDJC	FDJ	A
52	FOLLOWUP AMP	52ABG	FDJD	FDJ	A
52	FOLLOWUP SERVO	52ABK	FDJE	FDJ	A
52	MOUNT	52ABN	FDJF	FDJ	0
52	JUNCTION BOX	52ABR	FDJG	FDJ	A
52	JUNCTION BOX	52ABS	FDJH	FDJ	A
52	RELAY BOX	52ABT	FDJJ	FDJ	A
52	PARAMETER CONTROL	52ABW	FDJK	FDJ	1
52	CONTROL SERVO	52ABX	FDJL	FDJ	A
52	POWER CONVERTER	52ABZ	FDJM	FDJ	A
52	ROLL REFERENCE		FDL	FDJ	AAAAAAAAAA
52	GYRO	52ACA	FDLA	FDL	A
52	SHOCK MOUNT	52ACB	FDLB	FDL	1
52	ROLL COMMANDS		FDM	FDJ	55555555
52	LOCALIZER COMMANDS		FDN	FDM	000000110
52	AMPLIFIER AUTO APPROACH	52ABA	FDNA	FDN	A
52	AUTO LOCALIZER SW	52AAD	FDNB	FDN	A
52	CONTROLLER COMMANDS		FDP	FDM	011111110
52	ROLL KNOB	52AAA	FDPA	FDP	5
52	STEERING TIE-IN		FDQ	FDM	011111110
52	STEERING COUPLER	52BAA	FDQA	FDQ	A
52	ROLL MODULE	52BAB	FDQB	FDQ	A
52	TRANSDUCER,ROLL-FORCE %2<	52BAG	FDQC	FDQ	2
52	RELAY ASSY	52BAD	FDQD	FDQ	A
52	SERVO ASSY	52BAK	FDQE	FDQ	A
52	LINK ASSY FORCE%2<	52BAJ	FDQF	FDQ	2
52	BNS COMMANDS		FDS	FDM	000010000
52	SWITCH TURN CONTROL SELECT	52AAF	FDSA	FDS	A
52	BOMBING COUPLER	52ABM	FDSB	FDS	A
52	SPOILERS POSITIONED		FDT	FD	AAAAAAAAAA
52	LEFT SPOILERS POSITIONED		FDT	FDT	AAAAAAAAAA

PL 195. JIP1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111112222222222333333333333444444444455555555555566666666667777777777
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 GROUP A OUTBOARD< FDV FDV 55555555
52 VALVE ASSY 14AJA FDVA FDV A
52 DIFFERENTIAL ASSY 14AHA FDVH FDV A
52 ACTUATORS 44EAC 14AJC FDVC FDV 2
52 SPOILER STRUCTURE 44EAC 14AKE FDVD FDV 1
52 SPOILER SEGMENT ASSY 44EAC 14AKA FDVE FDV 1
52 SPOILER SKIN 14ALA FDVF FDV 0
52 SPOILER SKIN 14ALB FDVG FDV 0
52 SPOILER SKIN 14ALC FDVH FDV 0
52 SPOILER SKIN 14ALD FDVJ FDV 0
52 PUSHROD LAT CONTROL 14AHJ FDVK FDV A
52 GROUP B INBOARD< FDW FDW 33333333
52 VALVE ASSY 14AJA FDWA FDW A
52 DIFFERENTIAL ASSY 14AHA FDWB FDW A
52 ACTUATORS 43EAC 14AJC FDWC FDW 3
52 SPOILER STRUCTURE 43EAC 14AKE FDWD FDW 1
52 SPOILER SEGMENT ASSY 43EAC 14AKA FDWE FDW 1
52 SPOILER SKIN 14ALF FDWF FDW 0
52 SPOILER SKIN 14ALG FDWG FDW 0
52 SPOILER SKIN 14ALH FDWH FDW 0
52 PUSHROD LAT CONTROL 14AHJ FDWJ FDW A
52 RIGHT SPOILERS POSITIONED FDY FDY 44444444
52 GROUP B INBOARD< FDY FDY 33333333
52 VALVE ASSY 14AJA FDYA FDY A
52 DIFF ASSY 14AHA FDYB FDY A
52 ACTUATORS 43EAC 14AJC FDYC FDY 3
52 SPOILER STRUCTURE 43EAC 14AKE FDYD FDY 1
52 SPOILER SEGMENT 43EAC 14AKA FDYE FDY 1
52 SPOILER SKIN 14ALF FDYF FDY 0
52 SPOILER SKIN 14ALG FDYG FDY 0
52 SPOILER SKIN 14ALH FDYH FDY 0
52 PUSHROD LAT CONTROL 14AHJ FDYJ FDY A
52 GROUP A OUTBOARD< FDZ FDZ 55555555
52 VALVE ASSY 14AJA FDZA FDZ A
52 DIFFERENTIAL ASSY 14AHA FDZB FDZ A
52 ACTUATORS 44EAC 14AJC FDZC FDZ 2
52 SPOILER STRUCTURE 44EAC 14AKE FDZD FDZ 1
52 SPOILER SEGMENT 44EAC 14AKA FDZE FDZ 1
52 SPOILER SKIN 14ALA FDZF FDZ 0
52 SPOILER SKIN 14ALB FDZG FDZ 0
52 SPOILER SKIN 14ALC FDZH FDZ 0
52 SPOILER SKIN 14ALD FDZJ FDZ 0
52 PUSHROD LAT CONTROL 14AHJ FDZK FDZ A
52 GROUND CONTROL G G 44444444
52 SPEED CONTROL GA G C 00000000
52 SPEED CONTROL GA GAX 50000005
52 M/LG BRAKES GAA GA 70000005
52 M/LG BRAKE CONTROL INSTALL 13FAC GAAA A
52 LEVER-PARKING BRAKE 13EFA GAAB 0
52 BRAKE CABLE INSTALL 42EAC 13FCO GAAC 1

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PG0095.JIR1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222222233333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 CARTRIDGE ASSY-FEEL SPG%4FA13EDC GAAD GAA 1
52 ARM-BRAKE CONTROL %4EAC 13FED GAAG GAA 1
52 SADDLE-BRAKE CONT ARM %4EAC13ELE GAAG GAA 1
52 LINK ASSY-VALVE CONT %2EAC13FDF GAAG GAA 5
52 RETURN SPRG : RETRACT %4EAC13EDG GAAG GAA 0
52 VALVE-ALT SLAVE CONTROL 13EED GAAG GAA 1
52 DRAG CHUTE ACTUATED GAB GA 000000090
52 CABLE DRAG CHUTE JETTISON 93AAM GABB GAB 0
52 DRAG CHUTE DOOR CLOSE MECH 93ADD GAB GAB 0
52 CYLINDER-DOOR OPEN SHOCK 93AEX GAB GAB 1
52 JAW ASSY-JETTISON 93AFD GAB GAB 0
52 CONTAINER-MAIN CHUTE 93AGR GAB GAB 1
52 CANISTER-PILOT CHUTE 93AGD GAB GAB 1
52 PARACHUTE, DRAG 93AGC GAB GAB A
52 PILOT CHUTE 93ACE GAB GAB A
52 BRAKE PRESSURE GAC GAA AAAAAA
52 VALVE-HAND PUMP HYD CHECK 13EFG GAC GAC 0
52 ANTI-SKID ACTUATION GAD GAA 111111111
52 SWITCH-ANTISKID POWER 13FGA GAD GAD A
52 SHIELD-ANTISKID CONT %4EAC 13EHA GAD GAD A
52 VALVE-ANTISKID %8EAC 13EHB GAD GAD A
52 PLATE-SKID DETECT TORQ %8EAC13EJC GAD GAD A
52 ARM-SKID DETECT DRIVE %8EAC13EJD GAD GAD A
52 DETECTOR-SKID %8EAC 13EJF GAD GAD A
52 RELAY-SAFETY SW SQUAT %4EAC13ADA GAD GAD A
52 EACH OF TWO BRAKE PRESSURES GAF GAC 111111111
52 VALVE-HYD METERING %2EAC 13EEA GAF GAF A
52 VALVE-SLAVE METERING %2EAC 13EEB GAF GAF A
52 VALVE-SHUTTLE %2EAC 13EFC GAF GAF A
52 VALVE-PRESSURE RELIEF %4EAC13EEE GAF GAF 1
52 ACCUMULATOR-BRAKE HYD %4EAC13EEG GAF GAF 1
52 VALVE-THERMAL RELIEF %4EAC 13EEJ GAF GAF 1
52 FUSE-MLG BRAKE %10 EAC 13EEL GAF GAF 1
52 SWIVEL ASSY-DUAL %4EAC 13EEM GAF GAF 5
52 BRAKE ASSY %8EAC 13EEP GAF GAF 5
52 PLATE-BACKING %8EAC 13EEK GAF GAF 5
52 SEGMENT ASSY-ROTOR %8EAC 13EES GAF GAF 5
52 STATOR PLATE : LINING %8EAC13EET GAF GAF 5
52 PRESS PLATE : LINING %8EAC 13EFU GAF GAF 5
52 PISTON ASSY %8EAC 13EEV GAF GAF 5
52 CARRIER ASSY %8EAC 13EEW GAF GAF 5
52 RESTRICTOR-BRAKE FLOW %8EAC13EEY GAF GAF 0
52 PUMP ASSY-HAND BRAKE 13EFA GAF GAF 0
52 CABLE DRAG CHUTE DEPLOY 93AAL GAB GAB A
52 ATTENUATION GAX G 111111111
52 DIRECTIONAL CONTROL GB G 110000011
52 STEERING CONTROL GBA GB AAAAAA
52 DRUM ASSY-MLG STEERING 13DBJ GBA GBA A
52 CONTROL UNIT-MLG POSITION 13DDC GBA GBA A
52 NOSE WHEEL STEERING GBB GBA 110000011

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PG6095.J1R1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111122222222223333333333444444444455555555556666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
52 NOSE WHEEL STEERING          GRB          GBC          FAAAAAAAAA
52 CABLE ASSY-NOSE WHEEL STEER 130BA      GRBA      GBB          A
52 OVERTRAVEL UNIT ASSY          130BK      GRBB      GBB          1
52 LINK ASSY-STEER SCI 130BU      130BL      GRBC      GBB          1
52 VALVE ASSY-STEER METER        130BD      GBBD      GBB          1
52 ARM-METERING VALV CONT        130BE      GBBE      GBB          1
52 ARM ASSY-METER VALV LINK      130BF      GBBF      GBB          1
52 ACTUATOR ASSY                 130BG      GBBG      GBB          1
52 PLATE ASSY                    130BH      GBBH      GBB          1
52 PIN-ACTUATOR PISTON ATCH      130BJ      GBBJ      GBB          1
52 SWIVEL ASSY-HYDRAULIC         130BK      GBBK      GBB          1
52 COMPENSATOR-VALVE            130BL      GBBL      GBB          1
52 VALVE-TRUNNION SWIVEL        130BM      GBBM      GBB          1
52 JACKSHAFT ASSY               130BN      GBBN      GBB          1
52 CROSSWIND CRAB STEERING       GBC          GBA      K GBB      0A00000A1
52 CROSSWIND CRAB STEERING       GBC          GRE          FAAAAAAAAA
52 CONTROL ASSY CROSSCRAB        130CA      GBCA      GBC          A
52 CABLE ASSY CROSS STEER        130CH      GBCB      GBC          A
52 BOX ASSY-CENTER MOTOR GEAR    130CM      GBCB      GBC          A
52 GEAR BOX-CENTER CONTROL        130CP      GBCD      GBC          A
52 BOX ASSY-CENTER CENT CABLE    130CQ      GBCD      GBC          A
52 CAPSTAN-CENTER CONTROL        130CR      GBCF      GBC          A
52 COORDINATION UNIT ASSY        130CT      GBCG      GBC          A
52 LINK ASSY-STEER SCI 130BL      130CU      GBCB      GBC          A
52 MOTOR-TRIM CENTERING          130CV      GBCJ      GBC          A
52 SWITCH-CROSSWIND CENTERING    130AG      GBCB      GBC          A
52 SWITCH-CENTERING              130AB      GBCB      GBC          A
52 LINK ASSY-STEER SCI 130BU      130AL      GBCM      GBC          A
52 REAR WHEEL STEERING          GRD          GBC          AAAAAAAAAA
52 CABLE ASSY-REAR STEER        130BB      GBDA      GBD          A
52 OVERTRAVEL UNIT ASSY          130BK      GBDB      GBD          1
52 LINK ASSY-STEER SCI 130BU      130BL      GBDC      GBD          1
52 JACKSHAFT ASSY               130DA      GBDD      GBD          1
52 VALVE ASSY-METERING          130DD      GBDE      GBD          1
52 ARM-METERING VALVE CON        130DE      GBDF      GBD          1
52 ARM ASSY-METER VALV LINK      130DF      GBDG      GBD          1
52 ACTUATOR ASSY                 130DG      GBDH      GBD          1
52 PLATE ASSY                    130DH      GBDJ      GBD          1
52 PIN-ACTUATOR PIST ATCH        130DJ      GBDK      GBD          1
52 SWIVEL ASSY-HYDRAULIC         130DK      GBOL      GBD          1
52 COMPENSATOR-METER VALV        130DL      GBDM      GBD          1
52 VALVE-TRUNNION SWIVEL        130DM      GBDN      GBD          1
52 CROSSWIND CRAB INDICATOR      GRE          GBF          111111111
52 INDICATOR-CROSSWIND POSIT     51CEA      GRE          5
52 TRANSMITTER-CROSSWIND POSIT  51CEB      GRE          5
52 PILOT ACTION                  GBF          GBC          AAAAAAAAAA
52 STEERING MODE SELECT          GBG          GBA          020000020
52 LEVER ASSY-RATIO SELECTOR     130AA      GBGA      GBB          A
52 LINK ASSY-RATIO SELECTOR      130AC      GBGC      GBB          A
52 LANDING GEAR                  L

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FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111111222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 MAIN GEAR LA L 6 LXFP 0A0000080
52 ALT ALPHA TRACER LA LXFP SAAAAAAAAA
52 EXTEND MLG LAA LA 0000000A0
52 EXTEND LAA LB FAAAAAAAAA
52 MLG DOOR ACTUATOR ASSEMBLY 13CFA LAA 3
52 MLG DOOR ACT STRUT ASSY 13CFD LAAB 3
52 ACTUATOR STRUT SHAFT 13CFF LAAC 3
52 ACT BALL AND SOCKET ASSY 13CFG LAAD 3
52 STRUT END DUST PROTECT BOOT 13CFH LAAE 1
52 MLG POSITIONED LAB LAA AAAAAAAAAA
52 MLG DRAG STRUT LOCK ASSY 13CBC LABA LAC A
52 MLG DRAG STRUT LOCK LINK ASS 13CBD LABB LAC A
52 UNLOCK RELEASE LAC LAB AAAAAAAAAA
52 MLG LOCK SWITCH 13ACE LACA LAC 7
52 MLG ACTUATED LAD LAC AAAAAAAAAA
52 ECC ACT TRANS SWITCH ASSY 13CCA LADA LAD A
52 MLG ECC ACT BUNGEE LINK ARM 13CCB LADB LAD 2
52 MLG ECC ACT SHAFT ASSY 13CCC LADC LAD A
52 MLG HYD ACTUATOR ASSY 13CCD LAOD LAU 4
52 MLG SHUTTLE VALVE ASSY 13CCG LADE LAD 2
52 MLG ACT LOWER ACT PIN ASSY 13CCH LADF LAD 8
52 DOOR LOCK CABLE ASSY 13CEB LADG LAD 9
52 MLG DOOR CABLE CONTROL DRUM 13CEE LADH LAD 9
52 MLG TRANSFER SWITCH 13ACD LADJ LAD 9
52 RETRACT LAE LXA 111111111
52 ECC ACT TRANS SWITCH ASSY 13CCA LAEA LAE A
52 MLG ECC ACT BUNGEE LINK ARM 13CCB LAEB LAE 2
52 MLG ECC ACT SHAFT ASSY 13CCC LAEC LAE A
52 MLG HYD ACTUATOR ASSY 13CCD LAED LAE A
52 MLG SHUTTLE VALVE ASSY 13CCG LAEF LAE 2
52 MLG ACT LOWER ACT PIN ASSY 13CCH LAEG LAE 8
52 MLG NORM GEAR UP CUT OUT REL 13ADF LAEH LAF 1
52 DOOR LOCK CABLE ASSY 13CEB LAEJ LAE 9
52 MLG DOOR CABLE CONTROL DRUM 13CEE LAEK LAE 9
52 MLG DOOR ACTUATOR ASSY 13CFA LAEL LAE 3
52 MLG DOOR ACTUATOR STRUT ASSY 13CFD LAEM LAE 3
52 ACTUATOR STRUT SHAFT 13CFF LAEN LAE 3
52 ACT BALL AND SOCKET ASSY 13CFG LAEO LAE 3
52 STRUT END DUST PROTECT BOOT 13CFH LAEP LAE 1
52 MLG TRANSFER SWITCH 13ACD LAER LAE 9
52 MLG POSITIONED LAF LAE AAAAAAAAAA
52 DOWNLOCK RELEASED LAG LAF AAAAAAAAAA
52 MLG DRAG STRUT LOCK ASSY 13CBC LAGA LAG A
52 MLG DRAG STRUT LOCK LINK ASS 13CBD LAGB LAG A
52 GEAR CENTERED LAH LAG AAAAAAAAAA
52 CENTERING SWITCH 13ACB LAHA LAH 1
52 MLG ACTUATED LAJ LAG AAAAAAAAAA
52 MLG SAFETY SWITCH <SQUAT> 13ACA LAJA LAJ 1
52 MLG SAFETY SWITCH RELAY 13ADA LAJB LAJ 1
52 LAK LAD AAAAAAAAAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000000111111111222222222233333333334444444444555555555566666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
52 HYD POWER APPLIED LAK LAJ AAAAAAAAAA
52 EMERGENCY SELECT LAL K LAL AAAAAAAAAA
52 MLG EMERG CONTROL RELAY 13ALE LALA LAL 9
52 MLG EMERG CONTROL SWITCH 13ACH LALB LAL 9
52 MLG EMERG CONTROL VALVE 13CDB LALC LAL 9
52 POSITION IND-WARNING LAM I LAL 11111111
52 MLG IND AND WARN LOCK SWITCH 13AFA LAMA LAM 1
52 MLG WARNING TRANSFER SWITCH 13AFB LAMB LAM 1
52 MLG INDICATOR TRANS SWITCH 13AFC LAMC LAM 1
52 LG THROTTLE WARN SWITCH 13AEG LAMD LAM 1
52 LG WARNING HORN 13ALK LAME LAM 1
52 LG HANDLE WARN LIGHT 13AEL LAMF LAM 1
52 LG INDICATOR SWITCH 13AEF LAMG LAM 1
52 MLG POSITION SWITCH RELAY 13AFB LAMH LAM 1
52 NORMAL SELECTION LAU LAK LAL 11111111
52 LG HANDLE ASSY 13AAH LAUA LAU A
52 LG PUSHROD ASSY 13AAD LAOB LAU A
52 LG HANDLE LOCK SLIDE 13AAF LAOC LAU A
52 LG LINK ASSY 13AAG LAOD LAU A
52 ROLLING SUPPORT LR L 190000CA1
52 TPG SHOCK STRUT ASSY 13PAA LBA LB 8
52 SHOCK STRUT COLLAR ASSY 13PAB LBB LB 8
52 TRUNNION FITTING HALF BEAR 13PAG LBC LB 8
52 TPG SIDE BRACE ASSY 13PCA LBD LB 4
52 TPG SIDE BRACE UP LINK ASSY 13PCB LBE LB 8
52 TPG LOCK LINK SIDE BR SH ASSY 13PCC LBF LB A
52 TPG SIDE BRACE ARM ASSY 13PCD LBG LB 8
52 TPG SIDE BR LOW LK AND BR ASY 13PCE LBH LB A
52 MLG TIRE 13CGG LBI LB 9
52 TPG SIDE BR LOW LK ARM ASSY 13PCH LBJ LB A
52 TPG SIDE BR DOWNLOCK LK ASSY 13PCL LBK LB A
52 MLG DRAG STRUT ASSY 13CBA LBL LB 9
52 MLG DRAG STRUT HUNGEE ASSY 13CBH LBM LB A
52 MLG DRAG STRUT LOCK ASSY 13CBG LBN LB A
52 MLG DRAG STRUT LOCK LK ASSY 13CBD LBO LB 8
52 MLG DRAG STRUT LINK ASSY 13CBE LBP LB 9
52 TPG SHIMMY DAMPER ASSY 13PJA LBQ LB 8
52 TPG WHEEL 13EKA LBR LB 7
52 TPG TIRE 13PKB LBS LB 7
52 MLG SHOCK STRUT ASSY 13CAA LBT LB 8
52 MLG TORSION LINK ASSY 13CAB LBU LB A
52 TRUNNION 13CAD LBV LB 8
52 TWO HOLE CAP 13CAE LBW LB 5
52 FOUR HOLE CAP 13CAF LBX LB 5
52 TRUNNION BEARING INSERT ASSY 13CAG LRY LB 5
52 MLG WHEEL 13CGA LBZ LB 9
52 TIP GEAR LC LX 11111111
52 EXTEND LCA LC 00000000
52 TPG DOWNLOCK SWITCH 13ACG LCAA LCA 7
52 TPG POSITIONED LCB LCA AAAAAAAAAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000011111111222222222233333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 TPG UPLOCK RELEASED LCC LCB AAAAAAAAAA
52 TPG UPLOCK ROLLER ASSY 13BAD LCCA LCC A
52 TPG UPLOCK SEQ VALVE ACT ASS13BGD LCCB LCC A
52 SHUTTLE VALVE ASSY 13BGE LCCC LCC A
52 HYDRAULIC FUSE ASSY 13BGF LCCD LCC 7
52 DOORS OPENED LCE LCC AAAAAAAAAA
52 SHOCK ST DR ACT ST YOKE ASSY13BAC LCDA LCD 5
52 STRUT DOOR ACTUATOR 13BAH LCDB LCD 5
52 TRUNNION FTG BEARING HALF 13BAG LCDC LCD 8
52 GEAR ACTUATED LCE LCD AAAAAAAAAA
52 TPG SWITCH DOWNLOCK 13ACG LCEA LCE 9
52 TPG ECC ACT SHAFT ASSY 13BEA LCEB LCE 9
52 TPG ECC ACT SHAFT 13BER LCEC LCE 9
52 TPG UPLOCK DAMPER ARM 13BEC LCED LCE 7
52 TPG ECC ACT UNIV TRUNNION 13BED LCEE LCF 7
52 TPG SEQUENCE VALVE 13BGC LCEF LCE 8
52 RETRACT LCF LC 0A0000000
52 TPG UPLOCK SWITCH 13ACF LCFA LCF A
52 DOORS CLOSED LCG LCF AAAAAAAAAA
52 SH STR DR ACT STR YOKE ASSY 13BAC LCGA LCG 5
52 DOOR ACTUATOR STRUT 13BAH LCGB LCG 5
52 TPG UP AND LOCKED LCJ LCG AAAAAAAAAA
52 TPG UPLOCK ROLLER ASSY 13BAD LCJA LCJ A
52 TPG UPLOCK ASSY 13BFA LCJB LCJ 8
52 TPG UPLOCK DAMPER ASSY 13BFB LCJC LCJ 9
52 TPG UPLOCK ACTUATING LINK 13BFC LCJD LCJ 9
52 TPG UPLOCK LK BUNGEE ASSY 13BFD LCJE LCJ 5
52 TPG UPPER SIDEBRACE SH ASSY 13BFE LCJF LCJ A
52 TPG UPLOCK HOOK ASSY 13BFF LCJG LCJ 7
52 TPG UPLOCK VALVE SHAFT ASSY 13BFG LCJH LCJ 8
52 TPG UPLOCK BUNGEE BRACK ASSY13BFH LCJJ LCJ 5
52 TPG UPLOCK SEQ VALVE ACT ASS13BGD LCJK LCJ A
52 SHUTTLE VALVE ASSY 13BGE LCJL LCJ A
52 HYDRAULIC FUSE ASSY 13BGF LCJM LCJ 7
52 DOWNLOCK RELEASED LCK LCJ AAAAAAAAAA
52 TPG SIDEBRACE DOWNLOCK LK AS13BCL LCKA LCK A
52 TPG ECC ACT SHAFT ASSY 13BEA LCKB LCK 9
52 TPG ECC ACT SHAFT 13BEB LCKC LCK 9
52 TPG UPLOCK DAMPER ARM 13BEC LCKD LCK 7
52 TPG ECC ACT UNIV TRUNNION 13BED LCKE LCK 7
52 TPG DOWNLOCK SWITCH 13ACG LCKF LCK A
52 GEAR ACTUATED LCL LCK AAAAAAAAAA
52 TPG SEQUENCE VALVE 13BGC LCLA LCL 8
52 NORAL HYD POWER LCM LCE LCO 111111111
52 NORM HYD POWER LCM LCL AAAAAAAAAA
52 EMERGENCY SELECT LCN LCN AAAAAAAAAA
52 TPG EMER DOWN CONTROL SWITCH13ACJ LCNA LCN 7
52 TPG EMER DOWN HYD CONT VALVE13BGB LCNB LCN 7
52 EMER HYD POWER LCO LCE K LCM AAAAAAAAAA
52 POSITION IND-WARNING LCP LCN 111111111

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FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 TPG UP AND LOCKED IND SWITCH 13AED LCPA LCP 3
52 TPG NOT IN TRAIL SWITCH 13AEJ LCPB LCP 3
52 NORMAL SELECT LCR LCM AAAAAA
52 LANDING GEAR HANDLE ASSY 13AAB LCRA LCR A
52 LANDING GEAR PUSHROD ASSY 13AAD LCRB LCR A
52 LG HANDLE LOCK SLIDE 13AAF LCRC LCR A
52 LG LINK ASSY 13AAG LCRD LCR A
52 LG LEVER BELLCRANK ASSY 13AAH LCRI LCR A
52 TPG GEAR RETRACTION SWITCH 13ABE LCRF LCR A
52 TPG GEAR EXTENSION SWITCH 13AFH LCRG LCR A
52 TPG NORMAL HYD CONTROL VALVE 13BGA LCRH LCR A
52 LG BELLCRANK ASSY 13AAH LOAE LAO A
52 MICRO SWITCH ACTUATOR 13AEC LOAF LAO A
52 MLG RETRACTION SWITCH 13AFD LOAG LAO A
52 MLG EXTENSION SWITCH 13ABJ LOAH LAO A
52 CROSSWIND CENTERING SWITCH 13ABG LOAJ LAO A
52 MLG NORMAL CONTROL VALVE 13CDA LOAK LAO A
52 ATTENUATION LX L 010000010
52 ATTENUATION LXA LA 010000000
52 MLG FAILURE PROBABILITY LXFP LXFP FAAAAAAAAA
52 MISSION SUPPORT M M AAAAAA
52 DEFENSE MA M 000000000
52 PENETRATION AIDS MAA MA 222222222
52 CONTROLS, INSTALL. ALE-24 76FAC MAAA MAA A
52 DISPENSER INSTALL. 3EA 76EBO MAAB MAA 1
52 CONTROLS, INSTALL. ALE-20 76FAC MAAC MAA A
52 FLARE EJECTOR 6EA 76DBO MAAD MAA 1
52 CONTROLS, INSTALL. ALE-25 76TAC MAAG MAA A
52 CASE INSTALL. 2EA 76TBO MAAH MAA 1
52 EJECTOR RACK MECHANISM 2EA 76TBO MAAJ MAA 1
52 PYLON INSTALL. 2EA 76TBO MAAK MAA 1
52 ELECTRONIC WARFARE MAB MA 666666666
52 ELECTRONIC WARFARE MAB MAA F22222222
52 AN/ALQ-117 SYSTEM 76ACC MABA MAB 1
52 AN/APR-98 RECEIVING SYSTEM 76ECO MABR MAB 1
52 AN/APR-14 RECEIVING SYSTEM 76FCO MABC MAB 1
52 AN/APS-54 RECEIVING SYSTEM 76GCO MABD MAB 1
52 AN/ALT-68 JAMMING TX SYST. 76HCO MABE MAB 1
52 AN/ALR-18 RX/TX SYSTEM 76JCO MABF MAB 1
52 AN/ALT-13V JAMMING TX 76KCO MABG MAB 1
52 AN/ALT-15 JAMMING TX 76LOO MABH MAB 1
52 AN/ALT-16 JAMMING TX 76MCO MABJ MAB 1
52 AN/ALT-28 JAMMING TX 76FCO MABK MAB 1
52 AN/ALR-20 RECEIVER SYSTEM 76WOO MABL MAB 1
52 AN/APR-25 INSTALLATION 76XCO MABM MAB 1
52 GUNS MAC MA 111111111
52G M-3 GUN INSTALL. 74KCO MACA MAC A
52H M-61GUN INSTALL. 74KEO MACB MAC A
52G GUN COMPONENTS INSTALL. 74KEO MACC MAC A
52 AMMUNITION SUPPLY 74KFO MACD MAC A

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111122222222223333333333334444444444555555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52G ELECTRONIC PACK 74K00 MACE MAC A
52G FCS OPERATOR EVAL 55L00 MACXX MAC 0
52G FCS OPERATOR EVAL 55C00 MACXY MAC 0
52 GUN POSITIONING MAD MAC AAAAAA
52G AUXILIARY CENTRAL INSTALL. 74G80 MADA MAD A
52G COMPUTER CENTRAL INSTALL. 74G00 MADB MAD A
52G POWER CENTRAL INSTALL. 74G00 MADC MAD A
52G SERVO CENTRAL INSTALL. 74G00 MADU MAD A
52G CONTROL CENTRAL INSTALL. 74C00 MADE MAD A
52G TRACK COMPUTER INSTALL. 74G00 MADF MAD 7
52G VOLTAGE REGULATOR 74G50 MADG MAD A
52G TURRET INSTALL. 74J00 MADH MAD A
52 PRESSURE SUPPLY INSTALL 74K00 MADJ MAD 5
52H SYSTEM CONTROL 74L00 MADK MAD A
52H TRACKING CONTROL 74L00 MADL MAD A
52H COMPUTER 74L00 MADM MAD A
52H GUN CONTROL 74LEA MADN MAD A
52H PLATFORM 74LFC MADP MAD A
52H TURRET INSTALL. 74LJO MADQ MAD A
52H COMPONENT INSTALL. 74LKO MADR MAD A
52H HYDRAULIC INSTALL. 74LLO MADS MAD A
52H POWER SUPPLY 74LNO MADT MAD A
52G TURRET INSTALL 74J80 MADU MAD A
52G TURRET INSTALL HYD 74J00 MADV MAD A
52G JUNCTION BOX 74J00 MADVA MAD 8
52 CONTROL MAE MAD AAAAAA
52G CONTROL 74GA0 MAEA MAE A
52H CONTROL, FIRE CONTROL HAND 74LMA MAEB MAE A
52H GIMBAL ASSEMBLY 74LMC MAEC MAE A
52G PANEL, CONTROL 74GXA MAED MAE A
52 RADAR MAF MAD 99999999
52G SEARCH ANTENA 74G00 MAFA MAF A
52G TRACK ANTENA 74GHO MAFB MAF A
52G SEARCH TRANSMITTER 74GJO MAFC MAF A
52G TRACK TRANSMITTER 74GKO MAFD MAF A
52G MODULATOR, SEARCH 74GLA MAFE MAF A
52G MODULATOR, TRACK 74GMA MAFF MAF A
52G POWER SUPPLY, SEARCH 74GNA MAFG MAF A
52G POWER SUPPLY, TRACK 74GPA MAFH MAF A
52G SEARCH PULSE GENERATOR 74GQ0 MAFJ MAF A
52G DIRECTIONAL COUPLER 74GTA MAFK MAF A
52G PHASE SHIFTER 74GUA MAFL MAF A
52G POWER SUPPLY, AUX. 74GWA MAFM MAF A
52G ADAPTER, RADAR SET 74HCA MAFN MAF 1
52H TRANSMITTER 74LGO MAFP MAF A
52H ANTENA 74LHO MAFQ MAF A
52H PANEL, RADAR CONTROL 74LMF MAFR MAF A
52G TV MONITOR MAG MAD 11111111
52G OPTICAL SIGHT 74GY0 MAGA MAG A
52G TV CONTROL INSTALL. 74HA0 MAGB MAG A

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
520 INDICATOR, LINE OF SIGHT 74HUA MAGC MAG 2
520 RADAR INDICATOR MAH MAD 111111111
520 RADAR INDICATOR MAH MAD AAAAAA777
520 AZIMUTH ELEVATION AND RANGE 74HRO MAHA MAH A
520 FIRE CONTROL COMPONENT 74LAO MAHB MAH A
52 OFFENSE MB M 000000000
52 BOMB/MISSILE RELEASE MC MB 888888888
52 EMERGENCY RELEASE MCA MC K MCB AAAAAA777
52 EMERGENCY RELEASE MCA MX AAAAAA777
52 SPECIAL WEAPONS EMERG. SYST 75BAO MCAA MCA A
52 EMERGENCY WEAPON REL. CONT. 75CBO MCAB MCA A
52 EMERGENCY WEAPON REL. COMP. 75CDO MCAC MCA A
52 VALVE, BOMB DOOR ALTERNATE 45CEA MCAX MCA A
52 NORMAL RELEASE MCB MC MCA 111111111
52 PANEL INSTALLATION 75AAO MCHA MCB A
52 WEAPON CONT. AND TESTOR 75AHO MCBH MCB 1
52 RELAY INSTALL. 75ALO MCBC MCB A
52 BOMB CONTROL SWITCH 75AFA MCBH MCB A
52 BOMB RELEASE DIODE RECT. 75AEO MCBF MCB A
52 BOMB DOOR CONTROL INSTALL. 75CEO MCBF MCB A
52 CODED SWITCH SET 75AHU MCBG MCB 0
52 DNS MCC MCB 666666666
52 CONTROL, BOMBING 73CAU MCCA MCC A
52 PANEL, TEMP. SENSING 73CAP MCCB MCC 2
52 BOMBING COMPUTER UNITS 73CCO MCCB MCC A
52 NAVIGATORS DISPLAY RADAR 73CJO MCCD MCC A
52 GENERATOR, AZIMUTH CROSS 73CKQ MCCD MCC 4
52 AMPLIFIER MARKER MIXING 73CLE MCCF MCC 4
52 GENERATOR, RANGE CROSS 73CLG MCCG MCC 4
52 PANEL ASSEMBLY, BOMB. SCOP. 73GAA MCCB MCC 0
52 ANGLE OF ATTACK 73CPO MCCJ MCC 2
52 CHASSIS ASSY 73CH3 MCCJ MCC 2
52 CLIP-IN RACK ASSEMBLY 75CAO MCR MC A
52 BOMB RACK MANUAL LOCKING 75CCO MCS MC A
52 CLUSTER BOMB RACK 75EAO MCT MC A
52 BODY HYDRAULIC INSTALL. 45CFO MCXX MD A
52 CHECK VALVE RETURN 45CFA MCXXA MD 2
52 CHECK VALVE BYPASS 45CFB MCXXB MD 2
52 RELIEF VALVE, PRESSURE 45CFC MCXXC MD 3
52 MOTOR PUMP ASSEMBLY 45CFD MCXXD MD A
52 SWITCH PRESSURE 45CFE MCXXE MD A
52 DISCONNECT FITTING 45CFF MCXXF MD A
52 AGM-28/69 WEAPON SYSTEM MD MB 222222222
52 AIRBORNE OPERATIONAL EQUIP. 95000 MDM MD A
52 AGM-69A PRESSURIZATION 45E00 MDXY MD A
52 TERRAIN AVOIDANCE ME MB 111111111
52 NORMALIZATION UNIT RT 73CF1 MEA ME A
52 SERVO, PILOTS CLEARANCE 73CHG MEAA ME A
52 SERVO, NAVIGATION CLEAR. 73CHH MEAB ME A
52 GENERATOR, ALTITUDE TIMING 73CLC MEAC ME A

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## FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222223333333333444444445555555555666666666677777777773  
1234567890123456789012345678901234567890123456789012345678901234567890

52	CONTROL, TERRAIN RADAR	73CLQ	MEAD	ME	A
52	PILOTS AND COPILOTS DISPLAY	73CM0	MEAE	ME	A
52	PILOTS AND COPILOTS DISPLAY	73CNO	MEAF	ME	A
52	ELECTRO-OPTICAL VIEWING	73JAO	MEAG	ME	A
52	AMPLITUDE EQUALIZER	73CF2	MEB	ME	A
52	POWER SUPPLY	73CF3	MEC	ME	A
52	STC GENERATOR	73CF4	MED	ME	A
52	PHASE EQUALIZER	73CF5	MEE	ME	A
52	PRE. AMP. 1A-1 SUM	73CF6	MEF	ME	A
52	PRE. AMP. 1A-1 DIFF	73CF7	MEG	ME	A
52	CONTROL, TERRAIN TEST	73CGJ	MEH	ME	0
52	REINST. TERRAIN COMPUTER	73CGP	MEJ	ME	A
52	DETECTOR FAILURE WARNING	73CGQ	MEK	ME	0
52	GENERATOR, I/R QUAD	73CGR	MEL	ME	A
52	GENERATOR, BETA	73CGS	MEM	ME	A
52	AMP., PROFILE VIDEO	73CGT	MEN	ME	A
52	AMP., PLAN VIDEO	73CGU	MEP	ME	A
52	POWER SUPPLY	73CGV	MEQ	ME	A
52	GENERATOR, FAILURE WARNING	73CGW	MER	ME	0
52	ELECTRONIC GAMMA ASSEM	73CGX	MES	ME	A
52	NORMALIZATION UNIT RTC	73CGY	MET	ME	A
52	CARD ASSEMBLY CIRCUIT	73CGZ	MEU	ME	A
52	CONTACT ASSEMBLY	73CG1	MEV	ME	A
52	RECONN.		MF	M	000000000
52	PHOTO		MG	MF	888888888
52	K-17C/D CAMERA INSTALL.	77AAG	MGA	MG	A
52	K-38 CAMERA INSTALL.	77AB0	MGB	MG	A
52	CAMERA COMPARTMENT	77AL0	MGC	MG	1
52	MAGAZINE, A-88	77ADA	MGD	MG	A
52	CAMERA DOOR	77BA0	MGE	MG	A
52	CAMERA CONTROL	77CAA	MGF	MG	A
52	CAMERA INTERVALOMETER	77CB0	MGG	MG	3
52	ELECTRONIC		MH	MF	222222222
52	KS-32A RECORDING CAMERA	73HCO	MHA	MH	3
52	EXPOSURE FREQUENCY CONTR.	73HDO	MHB	MH	1
52	CONTROL, CAMERA	73CAN	MHC	MH	3
52	ELECTRO OPTICAL VIEWING	77D00	MHD	MH	3
52	FLIR SCANNER	77E00	MHE	MH	3
52	OPTICAL FILTER	77F00	MHF	MH	0
52	RELAY, CROSSHAIR CONTR.	77G00	MHG	MH	1
52	EVS AIRSPEED TRANSDUCER	77H00	MHH	MH	1
52	DATA PRESENTATION GROUP	77J00	MHJ	MH	3
52	EMERGENCY MISSILE RELEASE		MX	MB	X
52	MISSILE FIRE WARNING		MXA	MX	AAAAA
52	LIGHT	49BBA	MXAA	MXA	1
52	LIGHT	49RRR	MXAB	MXA	1
52	BOX FIRE DET CONTROL	49BRC	MXAC	MXA	A
52	AGM 69A ENVIR AIR DIST		MZA	MB	111111111
52	WING INSTALLATION DUCT	41JAA	MZAA	MZA	1
52	BOMB BAY DUCT	41JAR	MZAB	MZA	1

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## FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222223333333344444444555555556666666677777777
1234567890123456789012345678901234567890123456789012345678901234567890
52 FWD WHEEL WELL DUCT 41JAC MZAC MZA 1
52 RAM AIR DUCT FWD 41JAD MZAD MZA 2
52 RAM AIR SCOOP RH WING 41JAF MZAF MZA 2
52 AVIONICS FWD WELL DUCT 41JAF MZAF MZA 1
52 ENVIRO CONTROL UNIT FWD 41JAG MZAG MZA 1
52 AIR CONDITIONER 41JAH MZAH MZA A
52 LVS ENVIRONMENT MZB 11111111
52 LVS WINDOW WASH MZBA MZB 00200000
52 WASH SYS ASSY 49FAA MZBAA MZBA A
52 TANK ASSY 49FAB MZBAB MZBA 1
52 PUMP AND MOTOR ASSY 49FAC MZBAC MZBA A
52 SOLENOID VALVE 49FAD MZBAD MZBA A
52 LVS WINDOW WASH SYS INST 49FAE MZBAE MZBA 2
52 NOZZLE INSTALLATION 49FAF MZBAF MZBA 2
52 PURGE TUBE INSTAL 49FAG MZBAG MZBA 1
52 PRESSURE REGULATION 49FAH MZBAH MZBA 2
52 THERMOSWITCH 49FAJ MZBAJ MZBA 1
52 STV ENVIRONMENT CONTROL MZBB MZB 22222222
52 STV DUCT INSTALLATION 41KAD MZBBA MZBB 1
52 STV HEATER ASSY 41KAE MZBBE MZBB 2
52 WINDOW HEATER CONTROLLER 41KAF MZBBF MZBB 2
52 AIR DUCT HEATER CONTROLLER 41KAG MZBBG MZBB 1
52 FLIR ENVIRONMENT CONTROL MZBC MZB 22222222
52 FLIR DUCT INSTALLATION 41KAA MZBCA MZBC 1
52 FLIR HEATER ASSY 41KAB MZBCH MZBC 2
52 SIG PROCESS DUCT INSTAL. 41KAC MZBCG MZBC 2
52 ECM EQUIPMENT COOLING MZBZ MAB 11111111
52 DUCT ASSY 41EBF MZBZL MZBZ 1
52 ECM COOLING CHECK VALVE 41EBJ MZBZJ MZBZ 1
52 AFT ELECT EQUIP COOLING MZC MAB 11111111
52 AFT ELEC COOLING MZC MZCA 11111111
52 AFT ELEC COOLING MZC MZCB 11111111
52 ARC 58 COOLING MZCA CAH 11111111
52 BLOWER ASSY 41EBK MZCAK MZCA A
52 CAMERA COOLING MZCB MG 11111111
52 HEATER & DEFROST BLOWER 41EBM MZCBM MZCB 1
52 DUCT ASSY 41EBE MZCZE MZC 1
52H FIRE CONTROL SYS COOLING MZZ M 5000000000
52H FIRE CONTROL SYS COOLING MZZ MAD 11111111
52H CONDITIONED AIR MZZ MZZA 033333330
52H AIR CONDITIONING PACKAGE 41FAA MZZAA MZZA A
52H HEAT EXCHANGER RAM AIR 41FAF MZZAB MZZA A
52H TURBINE COMPRESSOR 41FAS MZZAC MZZA A
52H HYDRAULIC DRIVE COMPRESSOR MZZB MZZA 888888888
52H MODULATE : SHUTOFF VALVE 41FAB MZZBB MZZB 8
52H HYDRAULIC MOTOR 41FAC MZZBC MZZB A
52H CENTRIFUGAL COMPRESSOR 41FAE MZZBE MZZB A
52H ELECTRONIC CONTROL MZZC MZZA AAAAAAAA
52H ELECTRONIC CONTROL MZZC MZZB FAAAAAAA
52H PRESSURE TRANSDUCER 41FAG MZZCG MZZC A

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PGG095.J1R1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111122222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52H TEMPERATURE CONTROLLER 41FAH MZZCH MZZC A
52H RAM AIR INLET MZZD MZBZ F111111111
52H RAM AIR INLET MZZD MZC AAAAAAAAAA
52H RAM AIR INLET MZZD MZZA AAAAAAAAAA
52H RAM AIR COOLING DUCT 41FAQ MZZDQ MZZD 1
52H GROUND AIR COOLING MZZF MZZ 200000002
52H GRND AIR SHUTOFF VALVE 41FAJ MZZEA MZZE A
52H GRND AIR BLOWER 41FAL MZZEB MZZE 5
52H RAM AIR AXIAL FAN 41FAR MZZEC MZZE 2
52H AIR COND DIST DUCT 41FAP MZZZA MZZ 1
52H FREQ CONVT TEMP CONT VALVE 41FAM MZZZB MZZ 2
52 GEN 1 1 AC POWER DIST UAB RAW FAAAAAAAAA
52 GEN NO 1 PWR DIST UAB RFXV 111111111
52 GEN 11 POWER DIST UAB RLB FAAAAAAAAA
52 GEN 11 UAB RLD F555555555
52 GEN 1 1 UAB RLF F111111111
52 GEN NO 1 PWR DIST UAB BLXX S05550A580
52 GEN 1 1 POWER DIST UAB RQX AAAAAAAAAA
52 GEN 1 1 POWER DIST UAB BRF F111111111
52 GEN 11 UAB BRH F111111111
52 GEN 11 PWR DIST UAB CAH AAAAAAAAAA
52 GEN 11 PWR DIST UAB CAHC FAAAAAAAAA
52 GEN 1 PWR BUS UAB DAU AAAAAAAAAA
52 GEN NO1 PWR DIST UAB EAAF 111111111
52 GEN NO1 PWR DIST. UAB EAAJ 111111111
52 GEN NO1 POWER DIST UAB EABB 111111111
52 GEN NO 1 PWR DIST UAH FAA 222222222
52 GEN NO 1 POWER DIST UAB FBHZ AAAAAAAAAA
52 GEN NO 1 POWER DIST UAB FRKR AAAAAAAAAA
52 GEN NO 1 POWER DIST UAB FRKF FAAAAAAAAA
52 GEN NO 1 PWR DIST UAB FCN AAAAAAAAAA
52 GEN NO 1 PWR DIST UAB FCQ 111111111
52 GEN 11 PWR DIST UAB MAB FAAAAAAAAA
52 GEN 11 PWR DIST UAB MAC AAAAAAAAAA
52H GEN 11 PWR DIST UAB MD AAAAAAAAAA
52 GEN 11 PWR DIST UAB MG AAAAAAAAAA
52 GEN NO 1 PWR DIST UAB MZC AAAAAAAAAA
52H GEN NO 1 PWR DIST UAB MZZC OAAAAAAAAA
52H NO1 GEN PWR DIST. UAB MZZE A0000000A
52 AC POWER AFT AC PWR BOX UAB UHFL AAAAAAAAAA
52 GEN NO 1 PWR DISTRIBUTION UAB UHFR AAAAAAAAAA
52G BOX ASSY LEFT WING AC PWR 42DAE UABAE UAB 1
52G GEN 1 7 AC POWER DIST UAC RAW F555555555
52 GEN NO 7 PWR DIST UAC RFXV 111111111
52 GEN 1 7 UAC RLF 111111111
52 GEN 17 POWER DIST UAC BRB FAAAAAAAAA
52 GEN 17 POWER DIST UAC BRD F111111111
52 GEN 1 7 UAC BRF F111111111
52 GEN 17 UAC BRH F111111111
52 GEN NO7 PWR DIST. UAC EAAF 111111111

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FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890			
52 GEN NO7 POWER DIST	UAC	EAPB	11111111
52 GEN NO 7 PWR DIST	UAC	FAA	22222222
52 GEN NO 7 POWER DIST	UAC	FRKB	AAAAAAAA
52 GEN 17 PWR DIST	UAC	MAR	AAAAAAAA
52H GEN 17 PWR DIST	UAC	MD	AAAAAAAA
52G BOX ASSY RGHT WING AC PWR 42CAF	UACAF	UAC	1
52 GEN 15 AC POWER DISTR	UAE	HAMP	AAAAAAAA
52 GEN 15 AC POWER DISTR	UAE	BAMP	AAAAAAAA
52 GEN NO5 POWER DIST.	UAE	BAMP	AAAAAAAA
52H GEN 1 5 POWER DISTRIBUTION	UAE	BAR	AAAAAAAA
52G GEN 1 5 AC POWER DIST	UAE	BAW	F5555555
52 GEN NO 5 PWR DIST	UAE	BEXY	11111111
52 GEN NO 5 DIST	UAE	BLXX	11111111
52 GEN 1 5 POWER DIST	UAE	BOX	AAAAAAAA
52 GEN 15	UAE	BRD	F1111111
52 GEN 15	UAE	BRH	F1111111
52 GEN 1 5	UAE	BRK	F1111111
52 GEN 15 PWR DIST	UAE	CLA	AAAAAAAA
52 GEN 5 PWR DIST	UAE	DRN	AAAAAAAA
52 GEN 5 PWR DIST	UAE	DCG	AAAAAAAA
52 GEN 5 PWR DIST	UAE	DCM	FAAAAAAAAA
52 GEN NO5/RH LOAD CTR DIST	UAE	EAAA	11111111
52 GEN NO5/RH LOAD CTR DIST	UAE	EAAF	11111111
52 GEN NO5/RH LOAD CTR DIST	UAE	EAAJ	11111111
52 GEN NO5/RH LOAD CTR DIST	UAE	EAKC	11111111
52 GEN NO5/RH LOAD CTR DIST	UAE	EABF	11111111
52 GEN NO5/RH LOAD CTR DIST	UAE	FBL	11111111
52 GEN NO5 PWR DIST/R.LOAD CTR	UAE	ECAD	FAAAAAAAAA
52 GEN NO5/LEFT LOAD CTR DIST	UAE	ECAM	FAAAAAAAAA
52 GEN NO5/LEFT LOAD CTR DIST	UAE	ECAN	AAAAAAAA
52 GEN NO5/RH LOAD CTR DIST	UAE	EDBC	11111111
52 GEN NO 5/RL LOAD CTR DIST	UAE	EFAJ	AAAAAAAA
52 GEN 15 PWR DIST	UAE	MAA	FAAAAAAAAA
52 GEN 15 PWR DIST	UAE	MAB	AAAAAAAA
52 GEN 15 PWR DIST	UAE	MD	AAAAAAAA
52 GEN 15 PWR DIST	UAE	MH	AAAAAAAA
52 NO5 GEN/RH LOAD CTR PWR DIS	UAE	MZA	AAAAAAAA
52 GEN NO 5 PWR DISTRIBUTION	UAE	UAFA	AAAAAAAA
52 28VAC STA 173	UAFA	RUHAJ	AAAAAAAA
52G CB GEN DECOUPLE RH LOAD 42CAE	UAFAE	UAE	A
52 PANEL ASSY CO-PILOTS CB 42CBK	UAERK	UAE	1
52 PANEL ASSY RGHT ELEC EQ 42CBY	UAEBY	UAE	1
52 PANEL ASSY DECM CYRHO 42DB3	UAEBZC	UAE	1
52G GEN 1 3 AC POWER DIST	UAK	BAW	F5555555
52 GEN NO 3 PWR DIST	UAK	BEXY	11111111
52 GEN 13 POWER DIST	UAK	BLD	55555555
52 GEN 1 3 POWER DIST	UAK	BLF	11111111
52 GEN 1 3	UAK	BRK	F1111111
52 GEN 13 PWR DIST	UAK	CRKC	AAAAAAAA
52 GEN 13 PWR DIST	UAK	CM	AAAAAAAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

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1234567890123456789012345678901234567890123456789012345678901234567890
52 GEN 3 PWR DIST UAK DAK AAAAAAAAAA
52 GEN 3 PWR DIST UAK DAT FAAAAAAAAA
52 GEN 3 PWR DIST UAK DBL AAAAAAAAAA
52 GEN 3 PWR DIST UAK DCL AAAAAAAAAA
52 GEN 3 PWR DIST UAK DCO AAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK EAAA 11111111
52 GEN NO3/LH LOAD CTR DIST UAK EAAJ 11111111
52 GEN NO3/LH LOAD CTR DIST UAK EABC 11111111
52 GEN NO3/LH LOAD CTR DIST UAK FARD F11111111
52 GEN NO3/LH LOAD CTR DIST UAK EABE AAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK EABG F11111111
52 GEN NO3/LH LOAD CTR DIST UAK EBL 11111111
52 GEN NO3/LH LOAD CTR DIST UAK ECAC AAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK ECAP FAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK EDRC 11111111
52 GEN NO3/LH LOAD CTR DIST UAK EFAD AAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK FRJA AAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK FRSH FAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK FCKA AAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK FCSR FAAAAAAAAA
52 GEN NO3/LH LOAD CTR DIST UAK FDJ AAAAAAAAAA
52 GEN 15 PWR DIST UAK MAB AAAAAAAAAA
52 GEN 15 PWR DIST UAK MH AAAAAAAAAA
52 GEN NO3 PWR DISTRIBUTION UAK UAKA AAAAAAAAAA
52 GEN NO3 PWR DISTRIBUTION UAK UAP AAAAAAAAAA
52 29VAC UAKA LUHAJ AAAAAAAAAA
526 CB GEN DISENGAGE LH LOAD 42CAF UAKAF A
52 PANEL ASSY,PILOTS CB 42DBU UAKBD 1
52 PANEL ASSY LEFT LOAD CENT 42DRQ UAKBO 1
52 BNS PWR DIST UAP CBHA AAAAAAAAAA
52 BNS PWR DIST UAP CZA FAAAAAAAAA
52 BNS PWR DIST UAP CZH FAAAAAAAAA
52 BNS PWR DIST UAP EAAF 11111111
52 BNS PWR DIST UAP EAAJ 11111111
52 BNS PWR DIST UAP ERL 11111111
52 BNS PWR DIST UAP ECAP AAAAAAAAAA
52 PANEL ASSY BNS CB 42DRT UAPBT 1
52 FCS EXT PWR UAQ UAB 00000000
52 POWER BOX,FCS EXT PWR 42ECA UAQCA A
52 RECEPTACLE,FCS EXT PWR 42ECB UAQCB A
52 RELAY 42ECC UAQCC A
52 RELAY PHASE SENSING 42ECD UAQCD A
52 BNS EXTERNAL AC PWR UAR UAP 00000000
52 RECEPTACLE,BNS EXT PWR 42EBA UARBA A
52 PANEL ASSY RELAY 42EBB UARBB A
52 PANEL ASSY BNS GND COOL 42EBC UARBC A
52 RELAY 42EBD UARBD A
52 RELAY,PHASE SENSING 42EBE UARBE A
52 BUS TIE LOOP UAS UAB UASB 11111111
52 BUS TIE LOOP UAS UAC UASD 11111111

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 BUS TIE LOOP UAS UAE UASF 111111111
52 BUS TIE LOOP UAS UAK UASH 111111111
52 BUS TIE CB NO.1 UASAZ 4 UX AAAAAAAAAA
52 RELAY,AC TYPE 1 42DCA UASACA UASA A
52 GEN CB NO.1 UASB UAB K UAS AAAAAAAAAA
52 GEN CB NO.1 UASB UASA AAAAAAAAAA
52 RELAY,AC TYPE 1 42DCA UASBCA UASB A
52 BUS TIE CB NO.7 UASC UAZ 4 UX AAAAAAAAAA
52 RELAY,AC TYPE 1 42DCA UASCCA UASC A
52 CONTROL,AUTO-PARALLEL 42CCP UASCP UAS A
52 GEN CB NO.7 UASD UAC K UAS AAAAAAAAAA
52 GEN CB NO.7 UASD UASC AAAAAAAAAA
52 RELAY,AC TYPE 1 42DCA UASDCA UASD A
52 BUS TIE CB NO.5 UASE UAZ 4 UX AAAAAAAAAA
52 RELAY,AC TYPE 1 42DCA UASECA UASE A
52 GEN CB NO.5 UASF UAH K UAS AAAAAAAAAA
52 GEN CB NO.5 UASF UASF AAAAAAAAAA
52 RELAY,AC TYPE 1 42DCA UASFCA UASF A
52 BUS TIE CB NO.3 UASG UAZ 4 UX AAAAAAAAAA
52 RELAY,AC TYPE 1 42DCA UASGCA UAS A
52 NO 3 GEN BUS UASH EFAE FAAAAAAAAA
52 GEN CB NO.7 UAK K UAS AAAAAAAAAA
52 GEN CB NO.7 UASH UASG AAAAAAAAAA
52 RELAY,AC TYPE 1 42DCA UASHCA UASH A
52 GENERATOR NO.1 UAT UASB AAAAAAAAAA
52 GENERATOR NO.1 UAT UATB FAAAAAAAAA
52 GENERATOR NO.1 UAT UATC FAAAAAAAAA
52 GENERATOR NO.1 UAT UATD FAAAAAAAAA
52 GENERATOR NO 1 UAT UDD AAAAAAAAAA
52 GENERATOR NO 1 UAT UDF SAAAAAAAAA
52 GENERATOR NO 1 UAT UDFA FAAAAAAAAA
52 GENERATOR NO 1 UAT UDFB FAAAAAAAAA
52 GENERATOR NO 1 UAT UDFC FAAAAAAAAA
52 CONSTANT SPEED DRIVE NO.1 UATA UAT AAAAAAAAAA
52 GENERATOR ASSEMBLY 42BAA UATAA UAT A
52 DRIVE,CONSTANT SPEED 42BBA UATABA UATA A
52G SHAFT,INTERCONNECTING 42BBB UATABB UATA A
52 FILTER,DRIVE UNIT 42BB2 UATABB UATA 1
52H PLATE,CSD QUICK ATTACH 42BB3 UATABBC UATA 1
52H LOCKRING CSD QUICK ATTACH 42BB4 UATABBD UATA 1
52G FLANGE,INPUT MOUNT 42BB5 UATABBE UATA 0
52G ADAPTER ASSY ALT COOLING 42BB6 UATABBF UATA 1
52G SHAFT,POWER INPUT DRIVE 42BBE UATABE UATA A
52G HOUSING,GEAR AND ACCESS. 42BBF UATABF UATA A
52 GOVERNOR,HASIC 42BBG UATABG UATA A
52 GOVERNOR,LIMIT 42BBH UATABH UATA A
52G VALVE,RECIRCULATING 42BBM UATABM UATA 1
52 TANK,OIL 42BBR UATABR UATA 0
52 DUCT,OIL COOL AIR INLET 42BBT UATABT UATA 1
52 DUCT,OIL COOL AIR EXHAUST 42BBU UATABU UATA 1

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FLIGHT SAFETY PREDICTION TECHNIQUE

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12345678901234567890123456789012345678901234567890123456789012345678901234567890

52	COOLER,OIL	42BRV	UATABV	UATA	1	
52	VALVE,OIL TEMP CONTROL	42BRW	UATABW	UATA	1	
52	FILTER,RETURN OIL	42BRX	UATABX	UATA	1	
52	REGULATOR,AIR PRESS	42BBY	UATABY	UATA	1	
52	SWITCH,PRESSURE	42BBZ	UATABZ	UATA	1	
52G	GEARBOX ADAPTER	42BCH	UATACH	UATA	1	
52	CAP,GEN AIR INLET COOLING	42BAH	UATAH	UAT	0	
52	DUCT,EXHAUSTCOLLECT UPPER	42BAJ	UATAJ	UAT	1	
52	DUCT,EXHAUSTCOLLECT LOWER	42BAK	UATAK	UAT	1	
52H	PLATE,GEN QUICK ATTACH	42BAM	UATAM	UAT	1	
52H	LOCK RING	42BAN	UATAN	UAT	1	
52	VOLTAGE REGULATION NO.1		UATB	UAT		AAAAAAAAAA
52	REGULATOR,VOLTAGE	42CCR	UATBCB	UATB	A	
52	GENERATOR CONTROL/PROTECT		UATC	UATA		AAAAAAAAAA
52	TRNSF,DIFF CURRENT	42CCE	UATCCE	UATC	A	
52	TRNSF,OVER/UNDER EXCITE	42CCG	UATCCG	UATC	A	
52	CONTROLLER,FREQ/LOAD	42CCH	UATCCH	UATC	A	
52	REFERENCE UNIT ASSY,FREQ	42CCJ	UATCCJ	UATC	A	
52	PACKAGE,CURRENT CONTROL	42CCK	UATCCK	UATC	A	
52	RELAY,DIFF REACT PROTECT	42CCN	UATCCN	UATC	A	
52	GEN NO.1 INDICATIONS		UATD	UATE		AAAAAAAAAA
52	INDICATOR ASSY,TRIP SIG	42CCM	UATDCM	UATD	1	
52G	CONTROLLER,MASTER CAUTION	49DDA	UATDDA	UATD	2	
52H	CONTROLLER MASTER CAUT NR2	49DDR	UATDDR	UATD	2	
52G	CONTROLLER,MAG CONTACTOR	49DDC	UATDDC	UATD	2	
52	LIGHT,MASTER CAUTION	49DDO	UATDOO	UATD	2	
52G	LIGHT,CIRCUIT BKR OPEN	49DDE	UATDDE	UATD	2	
52H	CONTROLLER,MASTER	49DEA	UATDEA	UATD	2	
52H	CONTROLLER,E211 MAG CAU LT	49DEF	UATDEF	UATD	2	
52H	RELAY,CENTRAL CAUTION PNL	49DEG	UATDEG	UATD	2	
52H	PANEL,CENTRAL CAUTION	49DEH	UATDEH	UATD	2	
52H	INDICATOR,CENTRAL CAUTION	49DEJ	UATDEJ	UATD	2	
52	FREQUENCY METER	51CPD	UATDPO	UATD	1	
52	VOLTMETER	51CPE	UATDPE	UATD	1	
52	AMMETER	51CPH	UATDPH	UATD	1	
52	GENERATOR NO.1 CONTROL		UATE	UAT		AAAAAAAAAA
52	PANEL,A-C CONTROL	42CAA	UATEAA	UATE	1	
52	PANEL ASSY,GEN CONTROL	42CCA	UATECA	UATE	1	
52	GENERATOR NO.7		UAU	UASD		AAAAAAAAAA
52	GENERATOR NO.7		UAU	UAUB		FAAAAAAAAAAA
52	GENERATOR NO.7		UAU	UAUC		FAAAAAAAAAAA
52	GENERATOR NO.7		UAU	UAUD		FAAAAAAAAAAA
52G	GENERATOR NO 7		UAU	UDC		S444444444
52G	GENERATOR NO 7		UAU	UDG		FAAAAAAAAAAA
52H	GENERATOR NO 7		UAU	UDG		AAAAAAAAAA
52G	GENERATOR NO 7		UAU	UDS		FAAAAAAAAAAA
52	CONSTANT SPEED DRIVE NO.7		UAUA	UAU		AAAAAAAAAA
52	GENERATOR ASSEMBLY	42BAA	UAUAA	UAU	A	
52	DRIVE,CONSTANT SPEED	42BBA	UAUABA	UAUA	A	
52G	SHAFT,INTERCONNECTING	42BBB	UAUABB	UAUA	A	

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111122222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52  FILTER,DRIVE UNIT 42BF2 UAUARRB UAU 1
52H PLATE,CSD QUICK ATTACH 42BF3 UAUARBC UAU 1
52H LOCKRING CSD QUICK ATTACH 42BF4 UAUABBD UAU 1
52G FLANGE,INPUT MOUNT 42BF5 UAUABBE UAU 0
52G ADAPTER ASSY ALT COOLING 42BF6 UAUABRF UAU 1
52G SHAFT,POWER INPUT DRIVE 42BLE UAUABE UAU A
52G HOUSING,GEAR AND ACCESS. 42BEF UAUABF UAU A
52 GOVERNOR,BASIC 42BEG UAUABG UAU A
52 GOVERNOR,LIMIT 42BEH UAUABH UAU A
52G VALVE,RECIRCULATING 42BEM UAUABM UAU 1
52 TANK,OIL 42BEK UAUABR UAU 0
52 DUCT,OIL COOL AIR INLET 42BET UAUABT UAU 1
52 DUCT,OIL COOL AIR EXHAUST 42BBU UAUABU UAU 1
52 COOLER,OIL 42BEV UAUABV UAU 1
52 VALVE,OIL TEMP CONTROL 42BEW UAUABW UAU 1
52 FILTER,RETURN OIL 42BBX UAUABX UAU 1
52 REGULATOR,AIR PRESS 42BRY UAUABY UAU 1
52 SWITCH,PRESSURE 42BBZ UAUABZ UAU 1
52G GEARBOX ADAPTER 42BCH UAUACH UAU 1
52 CAP,GEN AIR INLET COOLING 42BAH UAUAH UAU 0
52 DUCT,EXHAUSTCOLLECT UPPER 42BAJ UAUAJ UAU 1
52 DUCT,EXHAUSTCOLLECT LOWER 42BAK UAUAK UAU 1
52H PLATE,GEN QUICK ATTACH 42BAM UAUAM UAU 1
52H LOCK RING 42BAN UAUAN UAU 1
52 VOLTAGE REGULATION NO.7 UAU 1
52 REGULATOR,VOLTAGE 42CCB UAUBCB UAU A
52 GENERATOR CONTROL/PROTECT UAUC UAU A
52 TRNSF,DIFF CURRENT 42CCE UAUCCE UAU A
52 TRNSF,OVER/UNDER EXCITE 42CCG UAUCGG UAU A
52 CONTROLLER,FREQ/LOAD 42CCH UAUCCH UAU A
52 REFERENCE UNIT ASSY,FREQ 42CCJ UAUC CJ UAU A
52 PACKAGE,CURRENT CONTROL 42CCK UAUCCK UAU A
52 RELAY,DIFF REACT PROTECT 42CCN UAUCCN UAU A
52 GEN NO.7 INDICATIONS UAUD UAU A
52 INDICATOR,ASSY,TRIP SIG 42CCM UAUDCM UAU 1
52G CONTROLLER,MASTER CAUTION 49DDA UAUDDA UAU 2
52H CONTROLLER MASTER CAUT NR2 49DDB UAUDDB UAU 2
52G CONTROLLER,MAG CONTACTOR 49DDC UAUDDC UAU 2
52 LIGHT,MASTER CAUTION 49DDD UAUDDD UAU 2
52G LIGHT,CIRCUIT BKR OPEN 49DDE UAUDDE UAU 2
52H CONTROLLER,MASTER 49DEA UAUDEA UAU 2
52H CONTROLLER,E211 MAG CAU LT 49DEF UAUDEF UAU 2
52H RELAY,CENTRAL CAUTION PNL 49DEG UAUDEG UAU 2
52H PANEL,CENTRAL CAUTION 49DEH UAUDEH UAU 2
52H INDICATOR,CENTRAL CAUTION 49DEJ UAUDEJ UAU 2
52 FREQUENCY METER 51CPD UAUDPD UAU 1
52 VOLTMETER 51CPE UAUDPE UAU 1
52 AMMETER 51CPH UAUDPH UAU 1
52 GENERATOR NO.7 CONTROL UAUE UAU A
52 PANEL,A-C CONTROL 42CAA UAUEAA UAUE 1

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52	PANEL ASSY, GEN CONTROL	42CCA	UAUECA	UAUE	1	
52	GENERATOR NO.5		UAV	UASF		AAAAAAAAAA
52	GENERATOR NO.5		UAV	UAVH		FAAAAAAAAA
52	GENERATOR NO.5		UAV	UAVC		FAAAAAAAAA
52	GENERATOR NO.5		UAV	UAVD		FAAAAAAAAA
52H	GENERATOR NO 5		UAV	UDK		FAAAAAAAAA
52	GENERATOR NO 5		UAV	UDR		AAAAAAAAAA
52	CONSTANT SPEED DRIVE NO.		UAVA	UAV		AAAAAAAAAA
52	GENERATOR ASSEMBLY	42BAA	UAVAA	UAV	A	
52	DRIVE, CONSTANT SPEED	42BBA	UAVABA	UAVA	A	
52G	SHAFT, INTERCONNECTING	42BBB	UAVABB	UAVA	A	
52	FILTER, DRIVE UNIT	42BB2	UAVABRB	UAVA	1	
52H	PLATE, CSD QUICK ATTACH	42BB3	UAVABHC	UAVA	1	
52H	LOCKRING CSD QUICK ATTACH	42BB4	UAVABBD	UAVA	1	
52G	FLANGE, INPUT MOUNT	42BB5	UAVABBE	UAVA	0	
52G	ADAPTER ASSY ALT COOLING	42BB6	UAVABBF	UAVA	1	
52G	SHAFT, POWER INPUT DRIVE	42BBE	UAVABE	UAVA	A	
52G	HOUSING, GEAR AND ACCESS.	42BBF	UAVABF	UAVA	A	
52	GOVERNOR, BASIC	42BBG	UAVABG	UAVA	A	
52	GOVERNOR, LIMIT	42BBH	UAVABH	UAVA	A	
52G	VALVE, RECIRCULATING	42BBM	UAVABM	UAVA	1	
52	TANK, OIL	42BBR	UAVABR	UAVA	0	
52	DUCT, OIL COOL AIR INLET	42BBT	UAVABT	UAVA	1	
52	DUCT, OIL COOL AIR EXHAUST	42BBU	UAVABU	UAVA	1	
52	COOLER, OIL	42BBV	UAVABV	UAVA	1	
52	VALVE, OIL TEMP CONTROL	42BBW	UAVABW	UAVA	1	
52	FILTER, RETURN OIL	42BBX	UAVABX	UAVA	1	
52	REGULATOR, AIR PRESS	42BBY	UAVABY	UAVA	1	
52	SWITCH, PRESSURE	42BBZ	UAVABZ	UAVA	1	
52G	GEARBOX ADAPTER	42BCH	UAVACH	UAVA	1	
52	CAP, GEN AIR INLET COOLING	42BAH	UAVAH	UAV	0	
52	DUCT, EXHAUSTCOLLECT UPPER	42BAJ	UAVAJ	UAV	1	
52	DUCT, EXHAUSTCOLLECT LOWER	42BAK	UAVAK	UAV	1	
52H	PLATE, GEN QUICK ATTACH	42BAM	UAVAM	UAV	1	
52H	LOCK RING	42BAN	UAVAN	UAV	1	
52	VOLTAGE REGULATION NO.5		UAVB	UAV		AAAAAAAAAA
52	REGULATOR, VOLTAGE	42CCB	UAVBCB	UAVB	A	
52	GENERATOR CONTROL/PROTECT		UAVC	UAVA		AAAAAAAAAA
52	TRNSF, DIFF CURRENT	42CCE	UAVCCE	UAVC	A	
52	TRNSF, OVER/UNDER EXCITE	42CCG	UAVCCG	UAVC	A	
52	CONTROLLER, FREQ/LOAD	42CCH	UAVCCH	UAVC	A	
52	REFERENCE UNIT ASSY, FREQ	42CCJ	UAVCCJ	UAVC	A	
52	PACKAGE, CURRENT CONTROL	42CCK	UAVCCK	UAVC	A	
52	RELAY, DIFF REACT PROTECT	42CCN	UAVCCN	UAVC	A	
52	GEN NO.5 INDICATONS		UAVD	UAVE		AAAAAAAAAA
52	INDICATOR ASSY, TRIP SIG	42CCM	UAVDCM	UAVD	1	
52H	CONTROLLER MASTER CAUT NR2	49CDB	UAVDDB	UAVD	2	
52G	CONTROLLER, MAG CONTACTOR	49DDC	UAVDDC	UAVD	2	
52	LIGHT, MASTER CAUTION	49DDD	UAVDDD	UAVD	2	
52G	LIGHT, CIRCUIT BKR OPEN	49DDE	UAVDDE	UAVD	2	

FLIGHT SAFETY PREDICTION TECHNIQUE

**D-103**

PG 95. JIR1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222233333333444444445555555566666666777777777777
1234567890123456789012345678901234567890123456789012345678901234567890
52 GENERATOR CONTROL/PROTECT UAWC UAWA AAAAAAAAAA
52 TRNSF,DIFF CURRENT 42CCE UAWCE UAWC A
52 TRNSF,OVER/UNDER EXCITE 42CCG UAWCG UAWC A
52 CONTROLLER,FREQ/LOAD 42CCH UAWCCH UAWC A
52 REFERENCE UNIT ASSY,FREQ 42CCJ UAWCCJ UAWC A
52 PACKAGE,CURRENT CONTROL 42CCK UAWCCK UAWC A
52 RELAY,DIFF REACT PROTECT 42CCN UAWCCN UAWC A
52 GEN NO.3 INDICATIONS UAWD UAWD AAAAAAAAAA
52 INDICATOR ASSY,TRIP SIG 42CCM UAWDCM UAWD 1
52G CONTROLLER,MASTER CAUTION 49DDA UAWDDA UAWD 2
52H CONTROLLER,MASTER CAUT NR2 49DDB UAWDOB UAWD 2
52G CONTROLLER,MAG CONTACTOR 49DDC UAWDDC UAWD 2
52 LIGHT,MASTER CAUTION 49DDD UAWDDD UAWD 2
52G LIGHT,CIRCUIT BKR OPEN 49DDE UAWDDE UAWD 2
52H CONTROLLER,MASTER 49DEA UAWDEA UAWD 2
52H CONTROLLER,E211 MAG CAU LY 49DEF UAWDEF UAWD 2
52H RELAY,CENTRAL CAUTION PNL 49DEG UAWDEG UAWD 2
52H PANEL,CENTRAL CAUTION 49DEH UAWDEH UAWD 2
52H INDICATOR,CENTRAL CAUTION 49DEJ UAWDEJ UAWD 2
52 FREQUENCY METER 51CPD UAWDPD UAWD 1
52 VOLTMETER 51CPE UAWDPE UAWD 1
52 AMMETER 51CPH UAWDPH UAWD 1
52 GENERATOR NO.3 CONTROL UAWD UAWD AAAAAAAAAA
52 PANEL,A-C CONTROL 42CAA UAWCAA UAWD 1
52 PANEL ASSY,GEN CONTROL 42CCA UAWCCA UAWD 1
52 MAIN EXTERNAL POWER UAZ UAZ 000000000
52 POWER BOX,MAIN EXTERNAL 42EAA UAXAA UAX A
52 RECEPTACLE,MAIN EXT PWR 42EAB UAXAB UAX A
52 AC POWER ATTEN 2 UAZ UAZ 111111111
52 AC POWER ATTEN 1 UAZ UAZ 111111111
52 LEFT ESS DC BUS UDB BAN AAAAAAAAAA
52 LEFT ESS DC BUS UDB BAQA 555555555
52 LEFT ESS DC BUS UDB BAXF AAAAAAAAAA
52 LEFT ESS DC BUS UDB BFA X AAAAAAAAAA
52 LEFT ESS DC BUS UDB BFF AAAAAAAAAA
52 LEFT ESS DC BUS UDB BFFC FAAAAAAAAA
52 LEFT ESS DC BUS UDB BFG X FAAAAAAAAA
52 LEFT ESS DC BUS UDB BFL AAAAAAAAAA
52 LEFT ESS DC BUS UDB RFMA FAAAAAAAAA
52 LEFT ESS DC BUS UDB RFMC FAAAAAAAAA
52 LEFT ESS DC BUS UDB BFN X FAAAAAAAAA
52 LEFT ESS DC BUS UDB BFS FAAAAAAAAA
52 LEFT ESS DC BUS UDB BFTA FAAAAAAAAA
52 LEFT ESS DC BUS UDB BFTC FAAAAAAAAA
52 LEFT ESS DC BUS UDB BFU X FAAAAAAAAA
52 LEFT ESS DC BUS UDB BFZ FAAAAAAAAA
52 LEFT ESS DC BUS UDB RFZA FAAAAAAAAA
52 LEFT ESSENTIAL BUS UDB DCG FAAAAAAAAA
52 LEFT ESSENTIAL BUS UDB DCH AAAAAAAAAA
52 LEFT ESSENTIAL BUS UDB DCQ AAAAAAAAAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111111222222223333333333444444444555555555666666666777777777
1234567890123456789012345678901234567890123456789012345678901234567890
52 LEFT ESSENTIAL DC BUS UDB FABB 111111111
52 UDB LAD AAAAAAAAAA
52 UDB LCN AAAAAAAAAA
52 UDB LCR AAAAAAAAAA
52 LEFT ESSEN DC BUS UDB MC AAAAAAAAAA
52 LEFT ESSEN DC BUS UDB MD FAAAAAAAAA
52 L.ESSEN DC BUS UDB MZA AAAAAAAAAA
52 LEFT ESSENTIAL BUS UDB UDA FAAAAAAAAA
52 LEFT ESSENTIAL BUS UDB UDW UDN 111111111
52 LEFT ESSENTIAL DC UDB LUNBE AAAAAAAAAA
52 LEFT ESSENTIAL DC UDB UHEL AAAAAAAAAA
52 LEFT ESSENTIAL DC UDB UHGL AAAAAAAAAA
52 LEFT TR BUS UDC BAE AAAAAAAAAA
52 LEFT TR BUS UDC BAN AAAAAAAAAA
52 LEFT TR BUS UDC BAQA 222222222
52G LEFT TR BUS UDC BAW FAAAAAAAAA
52G LEFT TR BUS UDC BAXW AAAAAAAAAA
52 LEFT TR BUS UDC BFC 111111111
52 LEFT TR BUS UDC BFJ F111111111
52 LEFT TR BUS UDC BFQ F111111111
52 LEFT TR BUS UDC BFW F111111111
52 LEFT TR BUS UDC BLB FAAAAAAAAA
52 LEFT TR BUS UDC BLD F55555555
52 LEFT TR BUS UDC BLF F55555555
52 FWD LEFT TR BUS UDC BLXX S5555CA200
52 LEFT TR BUS UDC BOV AAAAAAAAAA
52 LEFT TR BUS UDC BOZ AAAAAAAAAA
52 LEFT TR BUS UDC BRD FAAAAAAAAA
52 LEFT TR BUS UDC BRF F55555555
52 LEFT TR BUS UDC BRH FAAAAAAAAA
52 LEFT TR BUS UDC BRK FAAAAAAAAA
52 LEFT TR BUS UDC BSL F111111111
52 LEFT TR BUS UDC BSR 111111111
52 FWD LEFT TR BUS UDC CBHA FAAAAAAAAA
52 FWD LEFT TR BUS UDC CBHB FAAAAAAAAA
52 FWD LEFT TR BUS UDC CBHC FAAAAAAAAA
52 FWD LEFT TR BUS UDC CBKB FAAAAAAAAA
52 FWD LEFT TR BUS UDC CBKC FAAAAAAAAA
52 FWD LEFT TR BUS UDC CC AAAAAAAAAA
52 FWD LEFT TR BUS UDC CM FAAAAAAAAA
52 FWD LEFT TR BUS UDC CN S99999999
52 LEFT TR BUS UDC CZC AAAAAAAAAA
52 LEFT TR BUS UDC DCA AAAAAAAAAA
52 FWD LEFT TR BUS UDC EAAA S55555555
52 FWD LEFT TR BUS UDC FARB F111111111
52 FWD LEFT TR BUS UDC ED S22222222
52 LEFT TR BUS UDC EDAA FAAAAAAAAA
52 FWD LEFT TR BUS UDC EDBC FAAAAAAAAA
52 LEFT TR BUS UDC EFAH AAAAAAAAAA
52 LEFT TR BUS UDC FAB 222222222

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FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778  
1234567890123456789012345678901234567890123456789012345678901234567890

52 LEFT TR BUS	UDC	FAD	FAAAAAAAAA
52 LEFT TR BUS	UDC	FBHZ	AAAAAAAAAA
52 LEFT TR BUS	UDC	FBJA	AAAAAAAAAA
52 LEFT TR BUS	UDC	FBKB	FAAAAAAAAA
52 LEFT TR BUS	UDC	FRKF	FAAAAAAAAA
52 LEFT TR BUS	UDC	FBKK	FAAAAAAAAA
52 LEFT TR BUS	UDC	FBSB	FAAAAAAAAA
52 LEFT TR BUS	UDC	FCKA	AAAAAAAAAA
52 LEFT TR BUS	UDC	FCQ	FAAAAAAAAA
52 LEFT TR BUS	UDC	FCSB	FAAAAAAAAA
52 LEFT TR BUS	UDC	FDC	FAAAAAAAAA
52 LEFT TR BUS	UDC	FDJ	AAAAAAAAAA
52 FWD LEFT TR BUS	UDC	GRC	AAAAAAAAAA
52 FWD LEFT TR BUS	UDC	MA	AAAAAAAAAA
52 FWD LEFT TR BUS	UDC	MAA	FAAAAAAAAA
52 FWD LEFT TR BUS	UDC	MAB	FAAAAAAAAA
52 FWD LEFT TR BUS	UDC	MAC	FAAAAAAAAA
52 FWD LEFT TR BUS	UDC	MC	AAAAAAAAAA
52 FWD LEFT TR BUS	UDC	MD	FAAAAAAAAA
52 LEFT TR BUS	UDC	UDR	UDJ 11111111
52G LEFT TR BUS	UDC	UDK	FAAAAAAAAA
52 LEFT TR BUS DC PWR	UDC	LUHAJ	FAAAAAAAAA
52 LEFT TR BUS DC PWR	UDC	LUHAK	FAAAAAAAAA
52 LEFT TR BUS	UDC	LUHBF	FAAAAAAAAA
52 LEFT TR BUS	UDC	LUHBJ	FAAAAAAAAA
52 LEFT TR BUS	UDC	LUHBK	AAAAAAAAAA
52 LEFT TR BUS	UDC	LUHCG	FAAAAAAAAA
52 LEFT TR BUS	UDC	LUHCH	FAAAAAAAAA
52 LEFT TR BUS DC PWR	UDC	UHFL	AAAAAAAAAA
52 LEFT TR BUS	UDC	UHHL	AAAAAAAAAA
52G TR NO 1	UDC	UDC	22222222
52H TRNO1	UDC	UDC	44444444
52 TR UNIT	42FCA UDDCA	UDU	A
52 DC POWER CONTROL AND IND.	UDE	UDM	AAAAAAAAAA
52 SWITCH, DEAD BAT OVERRIDE	42FDC UDEDC	UDE	A
52 RELAY	42FDD UDEDD	UDE	A
52 AFT TR BUS	UDF	CAHC	FAAAAAAAAA
52 AFT TR BUS	UDF	CAUA	FAAAAAAAAA
52 AFT TR BUS	UDF	CAVA	AAAAAAAAAA
52 AFT TR BUS	UDF	CHKA	AAAAAAAAAA
52 AFT TR BUS	UDF	CL	SAAAAAAAAA
52 AFT TR BUS	UDF	CLA	FAAAAAAAAA
52 AFT TR BUS	UDF	CLB	FAAAAAAAAA
52 AFT TR BUS	UDF	CLCF	FAAAAAAAAA
52 AFT TR BUS	UDF	CLRA	AAAAAAAAAA
52 AFT TR BUS	UDF	DAU	AAAAAAAAAA
52 AFT TR BUS	UDF	MAA	AAAAAAAAAA
52 AFT TR BUS	UDF	MAB	FAAAAAAAAA
52H AFT TR BUS	UDF	MZZC	AAAAAAAAAA
52 TR NO 5	UDFA	UDF	22222222

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FLIGHT SAFETY PREDICTION TECHNIQUE

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00000000111111112222222233333333444444445555555566666666777777778
1244567890123456789012345678901234567890123456789012345678901234567890
52 TR UNIT 42FCA UDFACA UDFA A
52G BLOWER UNIT 42FCD UDFACD UDFA A
52 TR NO 4 42FCA UDFB 22222222
52 TR UNIT 42FCA UDFBCA UDFB A
52G BLOWER UNIT 42FCD UDFBCD UDFB A
52 TR NO 7 42FCA UDFC 22222222
52 TR UNIT 42FCA UDFCCA UDFC A
52G BLOWER UNIT 42FCD UDFCCD UDFC A
52 TR NO 2 42FCA UDG 22222222
52H TR NO 2 42FCD UDG 44444444
52 TR UNIT 42FCA UDGCA UDG A
52G BLOWER UNIT 42FCD UDGCD UDG A
52 AFT BATTERY BUS UDJ CAC AAAAAAAAAA
52 UDJ LAL 11111111
52 AFT BATTERY BUS UDJ UDB K UDC AAAAAAAAAA
52 AFT BATTERY BUS UDJ UDM 11111111
52G BATTERY, LEAD ACID 42FBA UDJBA A
52H BATTERY, NICAD 42FBB UDJBB A
52 HEATER, BATTERY 42FBC UDJBC 1
52 HOUSING ASSY, BATTERY 42FBE UDJBE 1
52 BATTERY CHARGE TR UNIT UDK AAAAAAAAAA
52 RECTIFIER, BATTERY CHARGE 42FBD UDKBD A
52 TR UNIT 42FCA UDKCA A
52 EMERGENCY BATTERY BUS UDM DCP AAAAAAAAAA
52 EMERGENCY BATTERY BUS UDM MCA AAAAAAAAAA
52 FWD BATTERY BUS UDN CAC AAAAAAAAAA
52 FWD BATTERY BUS UDN GAD AAAAAAAAAA
52 UDN LAL 11111111
52 FORWARD BATTERY BUS UDN UDM 11111111
52 FORWARD BATTERY BUS UDN UDW K UDB AAAAAAAAAA
52 FORWARD BATTERY BUS UDN UDY K UDQ AAAAAAAAAA
52G BATTERY, LEAD ACID 42FBA UDNBA A
52H BATTERY, NICAD 42FBB UDNBH A
52 HEATER, BATTERY 42FBC UDNBC 1
52 HOUSING ASSY, BATTERY 42FBE UDNBE 1
52 BATTERY CHARGE TR UNIT UDN AAAAAAAAAA
52 RECTIFIER, BATTERY CHARGE 42FBD UDPBD A
52 TR UNIT 42FCA UDPCA A
52 RIGHT TR BUS UDQ BAE AAAAAAAAAA
52 RIGHT TR BUS UDQ BAMF AAAAAAAAAA
52 RIGHT TR BUS UDQ BAMP 11111111
52 RIGHT TR BUS UDQ BMT AAAAAAAAAA
52G RIGHT TR BUS UDQ BAQA 55555555
52H RIGHT TR BUS UDQ BAQA 22222222
52G RIGHT TR BUS UDQ BAW F5555555
52 RIGHT TR BUS UDQ BAXT AAAAAAAAAA
52 RIGHT TR BUS UDQ BFC 11111111
52 RIGHT TR BUS UDQ BFJ F1111111
52 RIGHT TR BUS UDQ BFQ F1111111
52 RIGHT TR BUS UDQ BFW F1111111

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 RIGHT TR BUS UDQ PLA 111111111
52 RIGHT TR BUS UDQ BLR FAAAAAAAAA
52 RIGHT TR BUS UDQ BLD F555555555
52 RIGHT TR BUS UDQ BLE FAAAAAAAAA
52 RIGHT TR BUS UDQ BOV AAAAAAAAAA
52 RIGHT TR BUS UDQ BOX FAAAAAAAAA
52 RIGHT TR BUS UDQ BOY AAAAAAAAAA
52 RIGHT TR BUS UDQ BOZ AAAAAAAAAA
52 RIGHT TR BUS UDQ BFA F111111111
52 RIGHT TR BUS UDQ BRB FAAAAAAAAA
52 RIGHT TR BUS UDQ BRD FAAAAAAAAA
52 RIGHT TR BUS UDQ BRF FAAAAAAAAA
52 RIGHT TR BUS UDQ BRH FAAAAAAAAA
52 RIGHT TR BUS UDQ BRK F555555555
52 RIGHT TR BUS UDQ BSL F111111111
52 RIGHT TR BUS UDQ BSR 111111111
52 RIGHT TR BUS UDQ BWA FAAAAAAAAA
52 FWD RIGHT TR BUS UDQ CAH AAAAAAAAAA
52 FWD RIGHT TR BUS UDQ CAUH AAAAAAAAAA
52 FWD RIGHT TR BUS UDQ CBHA AAAAAAAAAA
52 FWD RIGHT TR BUS UDQ EABF 111111111
52 RIGHT TR BUS UDQ ECAC 555555555
52 FWD RIGHT TR BUS UDQ FCAM FAAAAAAAAA
52 FWD RIGHT TR BUS UDQ ECP F111111111
52 FWD RIGHT TR BUS UDQ ED S111111111
52 RIGHT TR BUS UDQ EDAB FAAAAAAAAA
52 FWD RIGHT TR BUS UDQ EDBC FAAAAAAAAA
52 FWD RIGHT TR BUS UDQ EFAM FAAAAAAAAA
52 RIGHT TR BUS UDQ FAB 222222222
52 RIGHT TR BUS UDQ FAC FAAAAAAAAA
52 RIGHT TR BUS UDQ FBKJ AAAAAAAAAA
52 RIGHT TR BUS UDQ FBSN AAAAAAAAAA
52 RIGHT TR BUS UDQ FCKA AAAAAAAAAA
52 RIGHT TR BUS UDQ FCSA AAAAAAAAAA
52 RIGHT TR BUS UDQ FDH AAAAAAAAAA
52 FWD RIGHT TR BUS UDQ GRC AAAAAAAAAA
52 UDQ LAM AAAAAAAAAA
52 FWD RIGHT TR BUS UDQ MAA FAAAAAAAAA
52 FWD RIGHT TR BUS UDQ MAB AAAAAAAAAA
52 FWD RIGHT TR BUS UDQ MC AAAAAAAAAA
52 FWD RIGHT TR BUS UDQ MD FAAAAAAAAA
52 FWD RIGHT TR BUS UDQ MG AAAAAAAAAA
52 RIGHT TR BUS UDQ UDP FAAAAAAAAA
52 RIGHT TR BUS UDQ UDY 111111111
52 RIGHT TR BUS DC PWR UDQ RUHAJ FAAAAAAAAA
52 RIGHT TR BUS DC PWR UDQ RUHAK FAAAAAAAAA
52 RIGHT TR BUS UDQ RUHBF FAAAAAAAAA
52 RIGHT TR BUS UDQ RUHBJ FAAAAAAAAA
52 RIGHT TR BUS UDQ RUHBK AAAAAAAAAA
52 RIGHT TR BUS UDQ RUHCG FAAAAAAAAA

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UDN

FLIGHT SAFETY PREDICTION TECHNIQUE

**D-109**

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FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000011111111222222222233333333334444444444555555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 RIGHT ESSEN DC BUS UDY MD FAAAAAAAAA
52 RIGHT ESSENTIAL DC UDY RUHBE AAAAAAAAAA
52 RIGHT ESSENTIAL DC UDY UHER AAAAAAAAAA
52 RIGHT ESSENTIAL DC UDY UHGR AAAAAAAAAA
52 LEFT OUTBD HYD DIST LUHA FDV AAAAAAAAAA
52 LUHA LCM AAAAAAAAAA
52 RIGHT OUTBD HYD DIST RUHA FDZ AAAAAAAAAA
52 RUHA LCM AAAAAAAAAA
52 SYSTEM PRESSURE LUHAD LUHA AAAAAAAAAA
52 SYSTEM PRESSURE LUHAD LUHAJ F11111111
52 SYSTEM PRESSURE RUHAD RUHA AAAAAAAAAA
52 SYSTEM PRESSURE RUHAD RUHAJ F11111111
52 FILTER,PRESSURE LINE 45CBV LUHADBV LUHAD 1
52 FILTER,PRESSURE LINE 45CBV RUHADBV RUHAD 0
52 FILTER ELEMENT 45CBW LUHADBW LUHAD 1
52 FILTER ELEMENT 45CBW RUHADBW RUHAD 0
52 ACCUMULATOR,HYDRAULIC 45CBX LUHADBX LUHAD 2
52 ACCUMULATOR,HYDRAULIC 45CBX RUHADBX RUHAD 2
52 GAGE,ACCUMULATOR PRESSURE 45CEY LUHADBY LUHAD 0
52 GAGE,ACCUMULATOR PRESSURE 45CEY RUHADBY RUHAD 0
52 VALVE,PRESSURE RELIEF 45CBZ LUHADBZ LUHAD 2
52 VALVE,PRESSURE RELIEF 45CBZ RUHADBZ RUHAD 2
52 PLUMBING 99CBA LUHADZA LUHAD 1
52 PLUMBING 99CBA RUHADZA RUHAD 1
52 FLUID SUPPLY LUHAG LUHAD SAAAAAAAAA
52 FLUID SUPPLY LUHAG UHEL FAAAAAAAAA
52 FLUID SUPPLY LUHAG UHFL FAAAAAAAAA
52 FLUID SUPPLY RUHAG RUHAD SAAAAAAAAA
52 FLUID SUPPLY RUHAG UHER FAAAAAAAAA
52 FLUID SUPPLY RUHAG UHER FAAAAAAAAA
52 RESERVOIR,HYDRAULIC 45CPA LUHAGBA LUHAG A
52 RESERVOIR,HYDRAULIC 45CPA RUHAGBA RUHAG A
52 FILTER,RETURN LINE 45CBQ LUHAGBQ LUHAG 1
52 FILTER,RETURN LINE 45CBQ RUHAGBQ RUHAG 1
52 FILTER ELEMENT 45CBR LUHAGBR LUHAG 0
52 FILTER ELEMENT 45CBR RUHAGBR RUHAG 0
52 RESERVOIR PRESSURE LUHAH LUHAG AAAAAAAAAA
52 RESERVOIR PRESSURE RUHAH RUHAG AAAAAAAAAA
52 STRAINER,ENGINE BLEED AIR 45CBC LUHAHBC LUHAG 1
52 STRAINER,ENGINE BLEED AIR 45CBC RUHAHBC RUHAH 1
52 VLV,RES AIR PRES RLF 2EA 45CBG LUHAHBG LUHAH 2
52 VLV,RES AIR PRES RLF 2EA 45CBG RUHAHBG RUHAH 2
52 PRESSURE MONITORING LUHAJ UHAL 11111111
52 PRESSURE MONITORING RUHAJ UHAL 11111111
52 PANEL,HYDRAULIC CONTROL 45CAA LUHAJAA LUHAJ 1
52 PANEL,HYDRAULIC CONTROL 45CAA RUHAJAA RUHAJ 1
52 PRESSURE INDICATOR 51CFA LUHAJFA LUHAJ A
52 PRESSURE INDICATOR 51CFA RUHAJFA RUHAJ A
52 PRESSURE TRANSMITTER 51CFC LUHAJFC LUHAJ A

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FLIGHT SAFETY PREDICTION TECHNIQUE

52	PRESSURE TRANSMITTER	51CFC	RUHAJFC	RUHAJ	A
52	LOW PRESSURE WARNING		LUHAK	UHAL	111111111
52	LOW PRESSURE WARNING		RUHAK	UHAL	111111111
52	PANEL, HYDRAULIC CONTROL	45CAA	LUHAKAA	LUHAK	1
52	PANEL, HYDRAULIC CONTROL	45CAA	RUHAKAA	RUHAK	1
52	PRESSURE WARNING SWITCH	45CCZ	LUHAKBF	LUHAK	A
52	PRESSURE WARNING SWITCH	45CCZ	RUHAKBF	RUHAK	A
52	AMBER WARNING LIGHT	99CBB	LUHAKZB	LUHAK	1
52	AMBER WARNING LIGHT	99CBB	RUHAKZB	RUHAK	1
52	PILOT ACTION		UHAL	UHFL	AAAAAAAAA
52	PILOT ACTION		UHAL	UHFR	AAAAAAAAA
52	PANEL, HYDRAULIC CONTROL	45CAA	UHALAA	UHAL	1
52	LEFT INBD HYD DIST		LUHB	FDW	AAAAAAAAA
52	LEFT HYD BODY DIST		LUHB	GAA	111111111
52			LUHB	LCO	AAAAAAAAA
52	RIGHT INBD HYD DIST		RUHB	FDY	AAAAAAAAA
52	RIGHT HYD BODY DIST		RUHB	GAA	111111111
52			RUHB	LCO	AAAAAAAAA
52	SYSTEM PRESSURE		LUHBD	LUHB	AAAAAAAAA
52	SYSTEM PRESSURE		LUHBD	LUHBJ	F11111111
52	SYSTEM PRESSURE		RUHBD	RUHB	AAAAAAAAA
52	SYSTEM PRESSURE		RUHBD	RUHBJ	F11111111
52	VALVE, PRESSURE RELIEF	45CCP	LUHBDPC	LUHBD	2
52	VALVE, PRESSURE RELIEF	45CCP	RUHBDPC	RUHBD	2
52	FILTER, PRESSURE LINE	45CCT	LUHBDCT	LUHBD	1
52	FILTER, PRESSURE LINE	45CCT	RUHBDCT	RUHBD	1
52	FILTER ELEMENT	45CCU	LUHBDCTU	LUHBD	0
52	FILTER ELEMENT	45CCU	RUHBDCTU	RUHBD	0
52	PLUMBING/FITTINGS	99CCA	LUHBDZA	LUHBD	1
52	PLUMBING/FITTINGS	99CCA	RUHBDZA	RUHBD	1
52	NORMAL SYSTEM PRESSURE		LUHBE	LUHBD	AAAAAAAAA
52	NORMAL SYSTEM PRESSURE		LUHBE	LUHBK	F11111111
52	NORMAL SYSTEM PRESSURE		RUHBE	RUHBD	AAAAAAAAA
52	NORMAL SYSTEM PRESSURE		RUHBE	RUHBK	F11111111
52	VALVE, FIREWALL SHUTOFF	45CCG	LUHBECG	LUHBE	A
52	VALVE, FIREWALL SHUTOFF	45CCG	RUHBECG	RUHBE	A
52	FITTING, QUICK DISCONNECT	45CCH	LUHBECH	LUHBE	1
52	FITTING, QUICK DISCONNECT	45CCH	RUHBECH	RUHBE	1
52	PUMP, ENG DRIVEN HYDRAULIC	45CCJ	LUHBECJ	LUHBE	A
52	PUMP, ENG DRIVEN HYDRAULIC	45CCJ	RUHBECJ	RUHBE	A
52	GROUND SERVICE		LUHBF	LUHBD	000000000
52	GROUND SERVICE		RUHBF	RUHBD	000000000
52	PUMP, GROUND TEST	45CCV	LUHBF CV	LUHBF	A
52	PUMP, GROUND TEST	45CCV	RUHBF CV	RUHBF	A
52	MOTOR, GROUND TEST PUMP	45CCY	LUHBF CY	LUHBF	A
52	MOTOR, GROUND TEST PUMP	45CCY	RUHBF CY	RUHBF	A
52	FLUID SUPPLY		LUHBG	LUHBE	AAAAAAAAA
52	FLUID SUPPLY		LUHBG	LUHBF	FAAAAAAAAAA
52	FLUID SUPPLY		RUHBG	RUHBE	AAAAAAAAA
52	FLUID SUPPLY		RUHBG	RUHBF	FAAAAAAAAAA

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FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111122222222233333333334444444445555555556666666667777777778  
1234567890123456789012345678901234567890123456789012345678901234567890

52	RESERVOIR, HYDRAULIC	45CCA	LUHBGCA	LUHBG	A
52	RESERVOIR, HYDRAULIC	45CCA	RUHBGCA	RUHBG	A
52	FILTER, RETURN LINE	45CCL	LUHBGCL	LUHBG	1
52	FILTER, RETURN LINE	45CCL	RUHBGCL	RUHBG	1
52	FILTER ELEMENT	45CCM	LUHBGCM	LUHBG	0
52	FILTER ELEMENT	45CCM	RUHBGCM	RUHBG	0
52	RESERVOIR PRESSURE		LUHBH	LUHBG	AAAAAAAAAA
52	RESERVOIR PRESSURE		RUHBH	RUHBG	AAAAAAAAAA
52	STRAINER, ENGINE BLEED AIR	45CCC	LUHBHCC	LUHBH	0
52	STRAINER, ENGINE BLEED AIR	45CCC	RUHBHCC	RUHBH	0
52	VALVE, RES AIR RELIEF 3EACH	99CCB	LUHBHZG	LUHBH	1
52	VALVE, RES AIR RELIEF 3EACH	99CCB	RUHBHZG	RUHBH	1
52	PRESSURE INDICATOR		LUHBJ	LUHBL	111111111
52	PRESSURE INDICATOR		RUHBJ	RUHBL	111111111
52	PANEL, HYDRAULIC CONTROL	45CAA	LUHBJAA	LUHBJ	1
52	PANEL, HYDRAULIC CONTROL	45CAA	RUHBJAA	RUHBJ	1
52	PRESSURE INDICATOR	51CFA	LUHBJFA	LUHBJ	A
52	PRESSURE INDICATOR	51CFA	RUHBJFA	RUHBJ	A
52	PRESSURE TRANSMITTER	51CFC	LUHBJFC	LUHBJ	A
52	PRESSURE TRANSMITTER	51CFC	RUHBJFC	RUHBJ	A
52	LOW PRESSURE WARNING		LUHBK	LUHBL	111111111
52	LOW PRESSURE WARNING		RUHBK	RUHBL	111111111
52	PANEL, HYDRAULIC CONTROL	45CAA	LUHBKAA	LUHBK	1
52	PANEL, HYDRAULIC CONTROL	45CAA	RUHBKAA	RUHBK	1
52	SWITCH, PRESSURE WARNING	45CCZ	LUHBKZC	LUHBK	A
52	SWITCH, PRESSURE WARNING	45CCZ	RUHBKZC	RUHBK	A
52	AMBER WARNING LIGHT	99CBB	LUHBKZC	LUHBK	A
52	AMBER WARNING LIGHT	99CBB	RUHBKZC	RUHBK	A
52	PILOT AWARENESS		LUHBL	LUHBLA	111111111
52	PILOT AWARENESS		RUHBL	RUHBLA	111111111
52	ATTENUATION NO 1		LUHBLA	LUHBLB	111111111
52	ATTENUATION NO 1		RUHBLA	RUHBLB	111111111
52	ATTENUATION NO 2		LUHBLB	LUHB	111111111
52	ATTENUATION NO 2		RUHBLB	RUHB	111111111
52	LEFT BODY HYD DIST		LUHC	FBKL	AAAAAAAAAA
52	LEFT BODY HYD DIST		LUHC	FCM	111111111
52	LEFT HYD BODY DIST		LUHC	GBB	111111111
52	LEFT HYD BODY DIST		LUHC	GBD	111111111
52			LUHC	LAK	111111111
52	LEFT BODY HYD. DIST.		LUHC	MCA	AAAAAAAAAA
52	RIGHT BODY HYD DIST		RUHC	FBKL	AAAAAAAAAA
52	RIGHT BODY HYD DIST		RUHC	FCM	111111111
52	RIGHT HYD BODY DIST		RUHC	GBB	111111111
52	RIGHT HYD BODY DIST		RUHC	GBD	111111111
52			RUHC	LAK	111111111
52	RIGHT BODY HYD. DIST.		RUHC	MD	AAAAAAAAAA
52	SYSTEM PRESSURE		LUHCA	LUHC	AAAAAAAAAA
52	SYSTEM PRESSURE		LUHCA	LUHCG	F11111111
52	SYSTEM PRESSURE		RUHCA	RUHC	AAAAAAAAAA
52	SYSTEM PRESSURE		RUHCA	RUHCG	F11111111

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FLIGHT SAFETY PREDICTION TECHNIQUE

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000000001111111122222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
52 VALVE,MANUAL CHECK 45CER LUHCAER LUHCA 1
52 VALVE,MANUAL CHECK 45CER RUHCAER RUHCA 1
52 FLUID SUPPLY LUHCD UHGL AAAAAAAAAA
52 FLUID SUPPLY LUHCD UHHL FAAAAAAAAA
52 FLUID SUPPLY RUHCD UHGR AAAAAAAAAA
52 FLUID SUPPLY RUHCD UHHR FAAAAAAAAA
52 RESERVOIR,HYDRAULIC 45CDA LUHCDDA LUHCD 2
52 RESERVOIR,HYDRAULIC 45CDA RUHCDDA RUHCD 2
52 FILTER,RETURN LINE 45CDJ LUHCDDJ LUHCD 1
52 FILTER,RETURN LINE 45CDJ RUHCDDJ RUHCD 1
52 FILTER ELEMENT 45CDK LUHCDDK LUHCD 0
52 FILTER ELEMENT 45CDK RUHCDDK RUHCD 0
52 RESERVOIR PRESSURE LUHCE LUHCD 22222222
52 RESERVOIR PRESSURE RUHCE RUHCD 22222222
52 VALVE,RES AIR PRESS RELIEF 45CDF LUHCEDF LUHCE 1
52 VALVE,RES AIR PRESS RELIEF 45CDF RUHCEDF RUHCE 1
52 STANDBY RESERVE SUPPLY LUHCF UHHL 11111111
52 LUHCF UHHR 11111111
52 STANDBY RESERVE TANK 99CDB LUHCFZB LUHCF A
52 STANDBY RESERVE TANK 99CDB RUHCFZB RUHCF A
52 PRESSURE INDICATION LUHCG LUHCJ 11111111
52 PRESSURE INDICATION RUHCG RUHCJ 11111111
52 PRESSURE INDICATOR 51CFA LUHCGFA LUHCG A
52 PRESSURE INDICATOR 51CFA RUHCGFA RUHCG A
52 PRESSURE TRANSMITTER 51CFC LUHCGFC LUHCG A
52 PRESSURE TRANSMITTER 51CFC RUHCGFC RUHCG A
52 LOW PRESSURE WARNING LUHCH LUHCJ 11111111
52 LOW PRESSURE WARNING RUHCH RUHCJ 11111111
52 SWITCH,PRESSURE WARNING 45CEU LUHCEU LUHCH A
52 SWITCH,PRESSURE WARNING 45CEU RUHCEU RUHCH A
52 AMBER WARNING LIGHT 99CBB LUHCHZE LUHCH A
52 AMBER WARNING LIGHT 99CBB RUHCHZF RUHCH A
52 PILOT ACTION LUHCJ UHHL 11111111
52 PILOT ACTION RUHCJ UHHR 11111111
52 PANEL,HYDRAULIC CONTROL 45CAA LUHCJAA LUHCJ 1
52 PANEL,HYDRAULIC CONTROL 45CAA RUHCJAA RUHCJ 1
52 MANIFOLDS,5 EACH 99CDA LUHCZA LUHC 2
52 MANIFOLDS,5 EACH 99CDA RUHCZA RUHC 2
52 NORMAL PRESSURE UHEL LUHAD UHFL 11111111
52 NORMAL PRESSURE UHEL LUHAK FAAAAAAAAA
52 VALVE,FIREWALL SHUTOFF 45CBL UHELBL UHEL A
52 FITTING,QUICK DISCONNECT 45CBM UHELBM UHEL A
52 PUMP,ENG DRIVEN HYD 45CBN UELBN UHEL A
52 NORMAL PRESSURE UHER RUHAD UHFR 11111111
52 NORMAL PRESSURE UHER RUHAK FAAAAAAAAA
52 VALVE,FIREWALL SHUTOFF 45CBL UHERBL UHER A
52 FITTING,QUICK DISCONNECT 45CBM UHERBM UHER A
52 PUMP,ENG DRIVEN HYD 45CBN UHERBN UHER A
52 STANDBY PRESSURE UHFL LUHAD K UHEL AAAAAAAAAA
52 PUMP,STANDBY 45CB2 UHFLBB UHFL A

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PGG095.JIR1 DATE = 10/16/75

FLIGHT SAFETY PREDICTION TECHNIQUE

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0000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
52 MOTOR, HYD STANDBY PUMP 45CB3 UHFLBC UHFL A
52 STANDBY PRESSURE UHFR RUHAD K UHER AAAAAAAAAA
52 PUMP, STANDBY 45CB2 UHFRBB UHFR A
52 MOTOR, HYD STANDBY PUMP 45CB3 UHFRRC UHFR A
52 NORMAL PRESSURE UHGL LUHCA UHHL 111111111
52 NORMAL PRESSURE UHGL LUHCH F111111111
52 FITTING, QUICK DISCONNECT 45CDG UHGLDG UHGL 1
52 VALVE, FIREWALL SHUTOFF 45CDH UHGLDH UHGL A
52 PUMP, ENG DRIVEN, HYD 45CEG UHGLEG UHGL A
52 FILTER, PRESSURE LINE 45CLH UHGLEH UHGL 1
52 FILTER ELEMENT 45CEJ UHGLEJ UHGL 0
52 NORMAL PRESSURE UHGR RUHCA UHHR 111111111
52 NORMAL PRESSURE UHGR RUHCH F111111111
52 FITTING, QUICK DISCONNECT 45CDG UHGRDG UHGR 1
52 VALVE, FIREWALL SHUTOFF 45CDH UHGRDH UHGR A
52 PUMP, ENG DRIVEN HYD 45CEG UHGREG UHGR A
52 FILTER, PRESSURE LINE 45CLH UHGREH UHGR 1
52 FILTER ELEMENT 45CEJ UHGREJ UHGR 0
52 STANDBY PRESSURE UHHL LUHCA K UHGL AAAAAAAAAA
52 FILTER, STANDBY-SYSTEM 45CEP UHHLEP UHHL 1
52 FILTER ELEMENT 45CEQ UHHLEQ UHHL 0
52 PUMP, STANDBY 45CES UHHLES UHHL A
52 MOTOR, HYD STBY PUMP 45CET UHHLET UHHL A
52 STANDBY PRESSURE UHHR RUHCA K UHGR AAAAAAAAAA
52 FILTER, STANDBY SYSTEM 45CEP UHHREP UHHR 1
52 FILTER ELEMENT 45CEQ UHHREQ UHHR 0
52 PUMP, STANDBY 45CES UHHRES UHHR A
52 MOTOR, HYD STBY PUMP 45CET UHHRET UHHR A
52 INFO ONLY BUSTIE FAILURE UX UX 000000000
  
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CARD COUNT IS 00004178. CARDS WITH ERRORS 00000000